

THE BULLETIN

OCTOBER 30, 2000 ~ 54TH YEAR ~ NUMBER 6

Mixed Reaction Greet Private University Plan

BY JUDY NOORDERMEER

APPROVAL IN PRINCIPLE, CAUTION in practice. That's the response from President Robert Birgeneau to legislation introduced by the provincial government that paves the way for privately funded universities in Ontario.

Introduced Oct. 19, the legislation would establish the Post-secondary Education Choice and Excellence Act and allow the minister of training, colleges and universities to authorize new degree-granting institutions in Ontario on the recommendations of an 11-member quality assessment board. The legislation would also allow colleges of applied arts and technology to grant applied degrees.

"I am not opposed in principle to having private universities in Ontario," said Birgeneau. "Having come from MIT and obtained my doctorate from Yale, both being private universities, I cannot object in a fundamental way to adding such choices to Ontario.

"However," he added, "it is not clear that the proposed legislation

will bring institutions of this calibre to the province. My concern is that the support to public higher education must remain our topmost priority and my focus will be to make this case to the government of Ontario."

The legislation comes as no surprise. The Ontario government announced its intention to introduce private universities in April and held two weeks of consultation talks with public universities in May.

In making the announcement earlier this month, Dianne Cunningham, minister of training, colleges and universities, said the measures are "an important step forward in improving quality of education in our colleges and universities." She added, "We know today's announcement is controversial but our government also knows it is critical to making the system more responsive to the needs of students."

But Students' Administrative Council president Adam Bretholz

~ See PRIVATE: Page 4 ~

Mini-Budget Benefits Research, Students

BY PAUL FRAUMENT

LAST WEEK'S ANNOUNCEMENT of increased funding for federal research initiatives will have a positive impact on U of T, says Professor Heather Munroe-Blum, vice-president (research and international relations), but more is still needed to cover indirect costs of research.

"On the whole, this is good, preliminary news," Munroe-Blum said, referring to Finance Minister Paul Martin's economic statement and budget update presented Oct. 18 in Ottawa.

The increased investments in research-related initiatives will strengthen the international competitiveness of Canadian scholarship, she said. "We're hopeful that further commitments will also be made to provide for the full indirect costs of federally sponsored research. Achieving this is a critical next step"

In the statement it was announced that \$400 million would be added to the Canada Foundation for Innovation (CFI) for the operating costs of research and an additional \$100 million provided to CFI to support the participation of

Canadian researchers in major international projects.

CFI was also authorized to use \$100 million in funds announced in Budget 2000 to support 100 per cent of the capital costs for collaborative research projects between Canadian universities and leading institutions in other countries. In the February budget, only 40 cents per dollar was allocated.

As well, \$100 million over five years will be allocated to the Social Sciences and Humanities Research Council to support research on the so-called "knowledge" economy including management skills, educational requirements and lifelong learning.

The economic statement also includes a doubling of the education tax credit to \$400 per month for full-time students and \$120 a month for part-time students. The education credit helps defray the non-tuition costs of post-secondary education. It is a move in the right direction, said Professor Ian Orchard, the vice-provost (students).

"It will certainly assist some students and their parents in reducing the amount of tax they pay."

INSIDE CUBA



With 88 black-and-white images by seven contemporary Cuban photographers, the exhibition, Cuban Photographers, currently showing at the Justina M. Barnicke Gallery at Hart House, constitutes the largest exhibition of Cuban photographs mounted in Canada. The photographers, mainly in their 20s, are children and grandchildren of Castro's revolution and their fresh visions expose distinct views of the compelling social landscape. The exhibition runs until Nov. 9.

MAN IN CAR/MARIO DIAZ

"Smart TV": U of T/TVO Produce Globalization Series

BY JILL RUTHERFORD

UNDER THE GLARE OF THE television lights, with cameras zooming in to capture their every expression, U of T political science students are posing some surprisingly tough questions to a panel of experts. The topic is globalization, but clearly this is no ordinary classroom.

In fact, it's the first of a four-part television series, Going Global: Canada's Place in the World, a unique partnership between TV Ontario and the Munk Centre for International Studies at Trinity College. In the works for the past year, the series — hosted alternately by Studio 2's Steve Paikin and Paula Todd — will be filmed live at the Munk Centre's Vivian and David Campbell Conference Facility and will feature guest panelists representing the full spectrum of opinion on the issue.

But if the Oct. 18 show was anything to judge by, the real stars of the series will be the students themselves. With a poise beyond their years, they grilled the panelists on issues ranging from how to protect fragile economies under liberalized trade to whether trade agreements, when put in practice, eroded protected sectors such as health care by forcing nations to slash taxes to compete.

Todd, who watched her colleague Paikin put the panelists and student audience through their paces, was impressed by what she witnessed.

"One of the things we say at TVO as an educational broadcaster is that education goes beyond the classroom," Todd remarked. "But the truth is, when you bring the TV studio to students, you are not really sure what's going to happen."

"I think what U of T students taught us today is that there can be an extraordinary added-value to bringing the classroom to our viewers. The bottom line is, this was smart TV — and that's a good thing."

University Professor Janice Gross Stein, Harrowston Professor of Conflict Management, spearheaded the partnership with TVO, which she calls "a perfect fit" between two of the provinces premier educational institutions. More important, she sees the venture as an opportunity for U of T to reach out to Ontarians across the province on an issue that's "central" to public policy debate in Canada today.

"Globalization is reshaping our lives, our policies, our culture and our institutions," Stein said.

The first segment debated whether globalization was good or bad for Canada; it pitted columnist

and anti-sweatshop activist Naomi Klein, Canadian Auto Workers union president Buzz Hargrove and former B.C. premier Glen Clark against staunch defenders Professor Alan Rugman of Templeton College in Oxford, former Conservative trade minister John Crosbie and Brian Gray, president of the Canadian Federation of Independent Business.

The second show, airing Dec. 6, will look at the backlash — critics who say such trade policies ultimately undermine environmental and labour standards and human rights.

"These critics do make a valid point," argues series producer, Dan Dunskey. "To what degree are we limiting or doing away with a state's sovereignty? Are we limiting our authority to act in a way that Canadians would find acceptable?"

The third part, in January, will examine the impact of globalization on culture and whether it is in fact just the "Americanization" of world culture. The focus of the final segment, in March, has yet to be determined.

As for the students, they seemed to enjoy themselves — and the opportunity to ask first-hand questions of policy leaders they wouldn't ordinarily have access to. First-year

~ See SMART TV: Page 4 ~

IN BRIEF



Feds OK reactor shutdown

U OF T HAS RECEIVED APPROVAL FROM THE CANADIAN NUCLEAR Safety Commission to decommission the SLOWPOKE nuclear reactor. The reactor, which has been part of the university for nearly three decades, was one of six SLOWPOKE (Safe LOW Power Kritikal Experiment) nuclear reactors in Canada. In 1996 the federal government withdrew support for the reactor which led to the university's decision to end the program in 1997. This summer the university removed the uranium fuel core from the reactor, essentially rendering the reactor inoperable, and had the core shipped to the U.S. Professor Emeritus James Smith of chemical engineering and applied chemistry is serving as project manager of the decommissioning project. He said the next step is to go before a CNSC hearing for approval for a licence to abandon the site. That meeting is scheduled for Dec. 13.

Two U of T researchers win Polanyi Prizes

PROFESSOR DIEGO PUGA OF ECONOMICS AND MARC COPPOLINO, a post-doctoral fellow in the department of biochemistry, are among the five researchers to win this year's John Charles Polanyi Prizes, awarded to scholars and researchers planning to continue post-doctoral studies at an Ontario university. Puga was selected for his work in the field of economic geography, investigating what makes a city an attractive place in which to mass-produce or produce on a smaller scale. Coppolino is examining the molecules that control the structures within white blood cells that allow these cells to carry out their immune functions. The \$15,000 prizes were established in 1986 by the province in honour of University Professor John Polanyi of chemistry.

Dobbs becomes deputy secretary of Governing Council

GOVERNING COUNCIL APPROVED THE APPOINTMENT OF NEIL DOBBS, assistant secretary of Governing Council since 1984, to the new position of deputy secretary at its Oct. 19 meeting. As deputy secretary, Dobbs will serve in a senior advisory and research capacity in the Governing Council secretariat. Dobbs currently serves as secretary to Business Board and its audit committee and has served as secretary to various other committees in the past. "Mr. Dobbs possesses an enormous breadth and depth of knowledge with respect to the university, its governance and its administration," said Louis Charpentier, secretary of Governing Council. "His detailed knowledge of policies, procedures and issues facing the university make him an invaluable asset to our institution."

AWARDS & HONOURS



Hart House

DAVID KILGOUR, EDITOR, AND HART HOUSE received a Certificate of Commendation from Heritage Toronto in its 2000 Heritage Toronto Awards program for *Strange Elation, Hart House: The First Eighty Years*. Awards of Merit and Certificates of Commendation are presented for building restoration and reuse and for publications relating to Toronto history. The awards were presented earlier this month at the Winter Garden Theatre in conjunction with the annual William Kilbourn memorial lecture. Founded in 1960, Heritage Toronto promotes an understanding of history that helps define the sense of place and identity shared by Toronto residents so that the city remains healthy and livable.

Governing Council

ELAN OHAYON, A GRADUATE STUDENT MEMBER OF Governing Council, has been awarded the 2000-2001 Urmila (Uma) Sarker Award, presented annually by the Arts & Science Students' Union to a member of the university community who has gone beyond his or her duties to assist students in the faculty. Elan was selected for his strong commitment to student and social issues and for providing a forceful student voice on Governing Council. Along with the award, the association will donate \$500 to a charity of Ohayon's choice.

Faculty of Medicine

PROFESSOR ANNE BASSET AND HUBERT VAN TOL OF psychiatry were this year's winners of the Joey and Toby Tanenbaum Distinguished Scientist Award for schizophrenia research. This national award, administered by the Canadian Psychiatric Research Foundation, will be presented at the foundation's annual meeting Dec. 3.

PROFESSOR LORELIE LINGARD OF PEDIATRICS WILL receive the T. Hale Ham Award for new investigators at the 2000 American Association of Medical Colleges meeting Oct. 31. Lingard receives the award

for her paper *What Do We Mean by Relevance? A Clinical and Rhetorical Definition With Implications for Teaching and Learning the Case-Presentation Format*.

PROFESSOR HOWARD LIPSHITZ OF MEDICAL GENETICS and microbiology has been elected the Canadian representative on the board of trustees of the Society for Developmental Biology for a three year term. The society is an international society of 2,000 developmental biologists whose goal is to further the study of development in all organisms and at all levels and to represent and promote communication among students of development.

UNIVERSITY PROFESSOR DAVID MACLENNAN OF THE Banting & Best Department of Medical Research has been awarded the Royal Society of London's Glaxo Wellcome Prize 2000, given for original contributions to medical and veterinary sciences. Elected to the society in 1994, MacLennan is cited as having discovered the mutations in human and pig genes that are responsible for malignant hyperthermia and a series of other inherited muscle diseases. The prize consists of a gold medal and £2,500; the recipient is also called upon to deliver a lecture to the Royal Society. MacLennan received the prize Oct. 19 in London.

PROFESSOR MORRIS MILNER OF THE INSTITUTE OF Biomaterials & Biomedical Engineering was the recipient of the Bloorview MacMillan Circle of Honour Award for research for his exceptional contribution to empowering children and youth with disabilities and their families. Milner has also been chosen for induction into the Terry Fox Hall of Fame Nov. 15. He is being honoured for his contribution in assisting persons with physical disabilities to achieve a more rewarding lifestyle.

PROFESSOR FRANCES SHEPHERD OF THE DEPARTMENT of medicine was elected president elect of the International Association for the Study of Lung Cancer at its world conference on lung cancer in Tokyo in September. His term runs until August 2003 when the meeting will come to Canada and he will stand for the position of president.

ON THE INTERNET

FEATURED SITE

Science as history



ONCE UPON A TIME, AND NOT so long ago, submitting a word processed term paper or making a class presentation using an overhead was as technical as school got. Today, students also have the opportunity to present their

research findings online. INX199Y is an undergraduate course that examines scientific breakthroughs that changed the course of history: the Copernican revolution and its heliocentric challenge; the theory of evolution; the explosion of technology that followed the Industrial Revolution; the splitting of the atom and the rise of the Cold War; and genetic technologies. The individual class projects allow students to choose a "new" issue in science and explore how they might push that issue into public consciousness via the Web. Class projects run the gamut with the likes of DNA vaccines, solar power, mimicry, depression, cold fusion, cloning, Super Bugs and viral epidemics.

<http://dragon.zoo.utoronto.ca/~sci199/>

U OF T HOME PAGE
www.utoronto.ca

THE CAMPAIGN FOR U OF T
www.uoftcampaign.com

RESEARCH UPDATES (NOTICES)
<http://rir.utoronto.ca/>

PHD ORALS
www.sgs.utoronto.ca/phd_orals.htm

U OF T JOB OPPORTUNITIES
www.utoronto.ca/jobopps

If you want your site featured in this space, please contact Audrey Fong, news services officer, at: audrey.fong@utoronto.ca



SITES OF INTEREST

Safety first

BETTER SAFE THAN SORRY IS THE ADAGE FOR THE OFFICE OF environmental health and safety's Web site which promotes healthy and safe campus work/study conditions. The site content is subdivided into nine subsections: emergency procedures, health and safety manuals, hazardous materials, services, organization and staff, regular updates, training courses, committee listings and site links.

<http://www.utoronto.ca/safety/ehshome.htm>

Where's Smokey?

THE FIRE MANAGEMENT SYSTEMS LABORATORY IN THE FACULTY of Forestry studies the devastating impact of fire on boreal forest ecosystems and the use of operational research methods. Current faculty research projects include sustainable forest management, fire protection in Ontario, daily air-tanker deployment, human-caused forest fire occurrences and climatic change factors. There are some fascinating yet frightening images of how damaging fires can be to our environment.

<http://www.firelab.utoronto.ca/>

Competition Funds UofT Entrepreneurs

BY JANET WONG

GOT A REALLY GREAT IDEA FOR a business? Having trouble raising money for it? If you're a faculty or staff member, student or alumni of the university, the new Business Plan Competition from U of T's Innovations Foundation may be just the answer.

Starting this fall, the Innovations Foundation is kicking off a competition that will see the winner getting \$500,000 in investment capital to get their business idea off the ground. The foundation plans to run the competition twice a year — in the fall and spring — with the money coming from venture capital firms NRG and 360 Capital. NRG and 360 Capital will, in turn, be stakeholders in the new company.

"It's modeled like other business plan competitions like MIT in the States," said George Adams, president and chief executive officer of the Innovations Foundation. "Only U of T staff, faculty, students and alumni will be eligible and the person who wins must play a major part in the business. That's the criteria."

According to Adams, the biggest

problem in today's venture capital world is the fact that companies receive hundreds, if not thousands, of business plans and proposals a year yet invest in only one or two ventures.

"This is going to give them all the profile they need to get through that noise," he said. "We're offering them a chance to step right up onto the main stage and pitch the proposal directly."

The judges will be from numerous venture firms, not just NRG or 360 Capital. And if more than two business plans catch their eye, Adams said some of the other firms may in fact decide to back them. "If they're that good, they can expect some of the people on the judging team to approach them after the competition."

The competition is open to all types of business but it must be an opportunity big enough to justify \$500,000 of investment, Adams explained.

The deadline for submissions is Jan. 2. Interviews will be scheduled for the end of January at which time the person or team personally pitch their idea to the judges. The winner will be announced in February.

Caesarians Safest for Breech Births: Study

BY MEGAN EASTON

AN INTERNATIONAL STUDY involving more than 2,000 women has determined the safest way to deliver breech babies is by planned caesarian sections — a finding that answers a longstanding question for obstetricians worldwide.

The study, published in the Oct. 20 edition of *The Lancet*, compared outcomes for babies and mothers in breech deliveries by planned caesarian sections and by planned vaginal births. Breech births, where the baby's bottom and legs come out before the head, occur in three to four per cent of pregnancies. Every year in Canada 12,000 to 16,000 women come to term with babies in the breech position and until now there was no standard practice for delivering these babies. The results of the study were so definitive that the researchers ended the five-year randomized trial two years early so they could get the results out to the general public.

Death or serious problems in the babies occurred three to four times less frequently in the planned caesarian section group than the planned vaginal delivery group; 1.6 per cent of the caesarian babies were adversely affected in the six-week follow-up period after birth compared with five per cent.

"That difference is highly

statistically significant, indicating that this is a real difference, not a random event, and an important difference," said principal investigator Professor Mary Hannah of obstetrics and gynecology and the Centre for Research in Women's Health (CRWH), a partnership of U of T and Sunnybrook and Women's College Health Sciences Centre.

Of the approximately 1,040 babies in each group, only three died in the planned caesarian group while 13 died in the vaginal delivery group. And more than twice as many babies in the vaginal group, 39 versus 14 in the caesarian group, experienced serious problems such as seizures, coma or ventilation. Death or complications for mothers was very similar in both groups.

The researchers ruled out the possibility that certain types of women in certain situations would still be best served by vaginal breech deliveries by analysing the outcomes of various subgroups of women in the study.

"The benefits of planned caesarians were true regardless of whether women were young or old, regardless of whether they were having their first baby or second or third or fourth baby, regardless of any of the subgroups," said Hannah, director

~ Continued on Page 7 ~

CURIOSITIES



DAVID STREET

WHIMSICAL WINDOWS

BY MICHAH RYNOR

THEY MAY NO LONGER PARTAKE OF THE GOOD FOOD, GOOD DRINK AND GOOD CHEER OFFERED AT HART House's former Gallery Club, but math professor Alfred Tennyson Delury, Professor Charles Clarke, founder of the Clarke Institute, and Maurice Hutton, a former University College principal, are among those who still keep watch over festivities in what is now the Gallery Grill.

These brightly coloured caricatures — interspersed with stained glass — were painted directly onto the windows of the restaurant by Fergus Kyle, a cartoonist who worked for Toronto's *Globe* newspaper in the early years of the past century.

But up until this summer, these characters were on the verge of taking in their last supper; the corroded and warped leading surrounding them had caused these fragile panes to bulge and crack. That they have been saved is thanks in part to a grant from Heritage Toronto towards the restoration of Hart House's Great Hall.

New Web Mail Service Launched

BY BRUCE ROLSTON

AGROWING NUMBER OF CAMPUS e-mail users are using the Web to take their e-mail with them when they leave the office.

They are taking advantage of the university's new My Utoronto service, which combines an events bulletin board and a Web mail service, for users of utoronto.ca e-mail accounts. The service can be reached from the U of T home page

or at <http://my.utoronto.ca>.

The service is the first step in providing a university Web "portal," or personalized Web site, an improved form of Web service that universities around the world are beginning to adopt, said Alex Nishri of computing and network services. The U of T system is an adaptation of a portal framework invented by Simon Fraser University's George Lee and adapted to U of T's needs by a team led

by Nishri and Peter Ip of computing and network services.

The bulletin board part of My Utoronto allows departments and other recognized campus groups to post announcements. Those reading the bulletin board can select which department, group and club announcements they are interested in. As well, announcements entered through the university's existing

~ Continued on Page 7 ~

Hart House Happenings

7 Hart House Circle • www.utoronto.ca/harthouse

SPECIAL EVENTS Call 978-2452

Sunday Concert - Violinist and Eckhardt-Gramatte winner, **Elisso Lee**, Sun. Nov. 5 at 3pm in the Great Hall. Free. All welcome.

Drama Society presents "A Man for All Seasons" by **Robert Bolt**, Thurs. Nov. 2, Fri. Nov. 3 and Sat. Nov. 4 at 8pm in the Hart House Theatre. Tickets \$10 for students and \$8 for seniors. Call 978-8668 for tickets.

Remembrance Day Service - Fri. Nov. 10 at 10:30 a.m. at The Soldier's Tower, Hart House Circle. Reception in Hart House to follow the service. The Memorial Room will be open to visitors until 3pm.

Graduate Committee Dinner Series - Future dates are: Nov. 22, Dec. 6, Jan. 10, Feb. 14 and Mar. 7. Single tickets are still available in limited quantity at the Membership Services Office. Call 978-2447 for information.

Graduate Committee and Drama Society stages William Morris' historical play, "The Tables Turned", Sat. Nov. 18, 7pm reception for 7:30pm curtain in the Great Hall. Tickets are now on sale, \$10 for U of T students and Hart House members with valid ID, \$15 for general admission. Tickets are available at the Hall Porters' Desk. Call 978-2452 for more information.

ART Call 978-8398

The Justino M. Bornicke Gallery - "Cuban Photographers Exhibition", Oct. 12-Nov. 9.

Arbor Room - Moggie Macdonald, Oct. 30-December.

LIBRARY Call 978-5362

Reading - An evening of readings, video, music and discussion commemorating the death of Nigerian poet and activist, **Ken Saro Wiwa**, Thurs. Nov. 9 at 8pm in the Great Hall.

MUSIC Call 978-2452 - All concerts are FREE!

Jazz at Oscars - Julie Michaels and Co., Fri. Nov. 10 and **The 10 O-Clock Jazz Band**, Fri. Nov. 17, begin at 8:30pm in the Arbor Room. Licensed. No cover. Call 978-5362 for more info or visit our website at www.utoronto.ca/harthouse

CLUBS & COMMITTEES - Call 978-2452

Bridge - If you like euchre, you'll love bridge. Come Thursdays at 6:30pm for instruction and novice play. Play Duplicate Bridge on Tuesdays at 6:30pm. Rubber Bridge is played Thursdays at 6:30pm in the Reading Room. Call 946-7323 for more information or check our website at bridgeclub.harthouse@utoronto.ca

Drama - Submission deadline for U of T Drama Festival and Spring Production proposals is Mon. Oct. 23. Pick up submission guidelines of the Hall Porters' Desk. A play reading of "A Clockwork Gorbachev" by **Maggie MacDonald**, is being held on Thurs. Oct. 26 at 6:30pm in the South Sitting Room. Call 978-6315 for details.

Film Board Workshops - "Literary Adaptation", Sat. Nov. 4; "Documentaries", Sat. Nov. 11. Sign up at the Hall Porters' Desk.

Masters' Swim - Join us for Sat. practice in Sep. and Oct. from 6:30-8:30pm in the Hart House Pool.

ATHLETICS - Call 978-2447

Massage Clinic - Available Mondays and Wednesdays. Booking is required 24 hours in advance. \$53/hour for students with valid student ID and \$62/hour for senior members. Call 978-2447 for more information and to make a booking.

Hart House Indoor Triathlon Workshop - Watch for information about a free Workshop coming up in November.

HART HOUSE

UNIVERSITY OF TORONTO

IN THE NEWS



University of Toronto people are in the news every day. The following is a sampling from September and October.

Battle of Canadian unions

A RECENT *NEW YORK TIMES* ARTICLE EXAMINED THE turbulence that has pitted two of the most powerful unions against one another: the Canadian Auto Workers and the Canadian Labour Congress. As many as 30,000 union members of the Washington-based Service Employees International union left to join CAW. Industrial relations professor Anil Verma commented that changing affiliations, although uncommon, "is nothing new for Canada's labour movement." "Mergers and takeovers are fair game in the business world. And they are also fair game in the labour world."

Dangers in taking Larium

DIZZY SPELLS. LACK OF SLEEP. SOARING HEART RATES. These are some of the symptoms that patients have experienced after taking Larium, an anti-malaria medication commonly prescribed by doctors in Canada and the United States. A storm of controversy over the potentially hazardous side effects has been uncovered by the *Washington Post* and drew upon the expertise of U of T medical professor Dr. Jay Keystone. A leading authority on anti-malarial drugs, Keystone served as a consultant to the United States Center for Disease Control and to the drug's manufacturer. "I'm not questioning [CDC's] intentions or integrity, and for most people, the drug is safe and effective," said Keystone in the article. "But they are trivializing very real and disabling side effects."

Fit or foul?

SHOPPERS ARE FILLING THEIR GROCERY CARTS WITH fruits and vegetables that can be laced with pesticides

and herbicides, argues Proctor & Gamble, manufacturers of the cleaning product Fit. But Professor Gavin Clark, a microbiologist at U of T, says they are only playing on people's "emotional comfort." He appeared on CBC's consumer watchdog program, Market Place, to dispel the myth of chemical-ridden fruit and legumes. Fit, he said, only washes off wax that is edible and not harmful when ingested. The federal government monitors the industry closely, he added, and no residue is found on fruits and vegetables 98 per cent of the time. Washing vegetables and fruit with water is just as effective.

Hydrogeologist testifies at E. coli inquiry

SEVEN DEATHS AND THOUSANDS OF SICK PEOPLE after the worst E. coli outbreak in Canadian history, Professor Ken Howard, a hydrogeologist at U of T Scarborough, was thrust into the spotlight of the media as the first witness to testify at the inquiry. Across Canada, news wires and the electronic media buzzed with news of his critical remarks on the provincial government's mismanagement of Ontario's groundwater resources. Howard stated that most Canadian provinces including Ontario stopped monitoring groundwater resources 20 years ago. He also explained that the provincial government routinely issues water-taking permits without knowing how much groundwater there really is. "To me, issuing permits to take water is ... like me writing a cheque on my bank account when I don't know how much is coming in each month," he said at the inquiry. The hearings will continue for the next several months.

Compiled by Sue Teye

Mixed Reaction Greet Private University Plan

~ Continued from Page 1 ~

is skeptical the changes will have a positive impact on the overall quality of education in the province and, in particular, on the public university system.

"It's pretty discouraging," he said. "I think this move will end up sucking money out of the public coffers and putting it into the private ones where there are no regulations in terms of the level of tuition and in terms of any sort of standards to be measured up against."

Bretholz is calling on the government to reinvest in existing public universities as an alternative to the proposed legislation.

SAC reaction is echoed by the U of T Faculty Association. "Research indicates that private

universities draw on public funds and no doubt the same will happen here," said UTFA president Rhonda Love.

However, not everyone within the university community shares Love's concerns. OISE/UT professor Michael Skolnik has spent decades studying and commenting on Ontario's post-secondary system; he welcomes the changes.

"I think it corrects a long-standing anomaly," said Skolnik, holder of the William G. Davis Chair in Community College Leadership. "Ontario is about the only jurisdiction of its size and level of economic development that doesn't allow private degree granting institutions. It provides an additional choice for

people and that's a good thing."

He believes the type of private universities likely to set up shop in the province will be religious-based institutions and specialized technical and professional programs with small enrolments. Public research funding is unlikely to flow their way, he predicted.

"People who say that these will be elitist I think are just way off mark. They are going to be at the other end of the spectrum because there is not enough money to create private universities of that type. And for that reason, I don't think it will affect the University of Toronto at all."

The proposed legislation began second reading debate in the legislature last week.

"Smart TV": U of T/TVO Produce Globalization Series

~ Continued from Page 1 ~

student David Lemanowicz of Vancouver, a free trade supporter, was particularly eager to confront Clark over his backing to of "antiquated" unions in his home province.

Afterward, however, Lemanowicz found himself agreeing with his

nemesis on one point at least: the need to protect the environment in trade agreements. But trade goes both ways, he said, and Canadians have to give up something in return.

"The trouble is, most people in this part of the world aren't willing to give up their Gucci shoes

and good lifestyle in order to benefit other regions in the world."

Debates like these, Lemanowicz added, allowed students to develop "three-dimensional" views on globalization: "If I can, I'll be at every single one of these debates," he vowed. "I just wish we had one of these every day."

Call for applications to

THE HALBERT EXCHANGE PROGRAM

Supporting collaborative research between

THE UNIVERSITY OF TORONTO

AND

THE HEBREW UNIVERSITY IN JERUSALEM

The Halbert Fellowship supports the creation and maintenance of collaborative research networks involving faculty and graduate students and requires a three-year commitment. The application process proceeds in two stages. A letter of intent outlining the project and identifying the collaborators must be submitted by November 15, 2000. Applicants may then be asked to submit a full application due April 15, 2001.

The Halbert Post-Doctoral Fellowship supports research related expenses incurred while studying at the Hebrew University in Jerusalem. Applications are due April 15, 2001.



For more information please contact the Program Co-ordinator
Munk Centre for International Studies
1 Devonshire Place, Toronto, Ontario
Tel: 416-946-8891
Fax: 416-946-8915

LAB COAT CRIME FIGHTER

A new forensic science program has students playing detective in real-life cases

BY JUDY NOORDERMEER

IT WAS DURING SLEEPLESS NIGHTS IN HIGH SCHOOL THAT Marla Adams decided what her future career would be. Sitting up in bed, snug under the blankets, she found herself reading medical thrillers from cover to cover. "I couldn't put the books down," admits the 22-year-old about her sleep-deprived days.

Adams, a forensic science student at University of Toronto at Mississauga, credits Robin Cook novels like *Coma*, *Outbreak* and *Mortal Fear* with stoking her imagination — and her own dreams.

"Reading all these books, I knew I wanted to be in forensics. You are constantly problem solving and thinking of new ways to do things, to catch people and to solve the crime."

Now in her final year of the cutting-edge program — the only comprehensive forensic science program in the country — Adams is living her dream; she is working one day a week in a lab at OPP headquarters in Orillia testing new methods for developing fingerprints. Her results will be combined with those from labs across the country to help improve national standards for chemistry-based crime-fighting techniques.

Adams' OPP placement is part of the forensic science program's mentorship initiative. All students in their fourth year spend a minimum of 200 hours working on a project in an actual forensics lab or facility. Some of Adams' 28 classmates have placements this year with facilities such as the Centre of Forensic Sciences, the Office of the Chief Coroner for Ontario, the pathology labs at Credit Valley Hospital and the forensic identification lab at Halton Regional Police. It's the largest mentorship class in the program's five-year history.

The mentorship is the culmination of four challenging years for the students. "This is what we're all waiting for in this program," says Adams.

Forensic science students apply to the program after completing one year of university. Those accepted — only 25 are

chosen each year from an average of 100 applications from across Canada — must complete a double major degree. In addition to basic forensic science courses such as human biology, genetics and insect taxonomy, they take extensive courses in anthropology, biology, chemistry or psychology.

The students who are admitted have a "very high academic

and employers. His outreach is an ongoing effort.

"I have been meeting and greeting police agencies, knocking on doors, trying to see people," says Cummins. "What we've seen in the last couple of years is a decided change in the police community — they really want more educated people.

"The police agencies are very interested in statistics, which [police officers] are not trained in. One of the things we require of our students is that they have substantial statistics abilities," he says.

John Tod is the section manager of the OPP's forensic identification unit in Orillia where Adams is spending her mentorship. He has nothing but praise for the program offered at UTM: "I believe its graduates are the people we'll look to fill our next vacancies."

In a field where scientific advances are constantly changing how they do their jobs, well-educated forensic experts are crucial, says Tod. "Cases are relying now on smaller pieces of evidence than they have in the past. The changes are really significant."

Witnesses are "being challenged more in the court system now than they ever have. A lot of it comes down to the credibility of the witness, and education is a big part of that credibility," he adds.

Now months away from graduating, Adams admits her career choice at first raised a few eyebrows at home. "Why would you do something so gory?" she remembers her parents asking her. "It's not really all that much blood and gore," she says. Even so, sitting in on an autopsy a few weeks ago with her classmates was a sobering experience. "It was surreal," says Adams. "You're bothered but you're not bothered at the same time."

Asked to reflect on the more graphic and possibly disturbing aspects of her chosen field, Adams is matter-of-fact and professional in her comments.

"Some of it can get pretty terrible, but you gotta catch the bad guys."



VINCE MANCUSO

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The Adaptive Technology Resource Centre, University of Toronto, is hosting an InfoSession featuring the most recent hardware and software technologies being used to enhance learning for students with disabilities. Here is an opportunity to meet representatives from leading companies and organizations. Exhibitors include:

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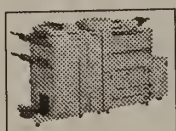
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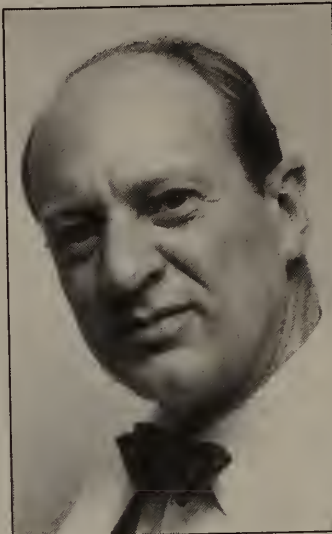
IN MEMORIAM

Jackson Was a Dedicated Clinical Chemist

PROFESSOR Emeritus Sanford Jackson of laboratory medicine and pathobiology died Sept. 4 at the age of 91.

Born in Port Arthur (now Thunder Bay), Jackson received his undergraduate and graduate degrees from U of T in chemical engineering and pathological chemistry. In 1937 he joined the Hospital for Sick Children as a research biochemist and took over supervision of clinical chemistry in 1944, becoming biochemist-in-chief, a post he held until he retired in 1974. In 1970 he was appointed acting director of the Research Institute of the Hospital for Sick Children, assuming the position of associate director in 1972. Under his supervision, the division of clinical chemistry and the division of biochemistry research were formally joined in 1969 to form the department of clinical biochemistry.

Jackson was also a founding member of the Canadian Society of Clinical Chemists (CSCC), serving as vice-president in 1957 and president for two terms, from 1958 to 1960. At the provincial level, he played a major role in the founding of the Ontario Society of



Clinical Chemists in late 1969 and was one of the early organizers of the post-doctoral clinical chemistry training program that saw trainees circulate through the various laboratories of the University of Toronto's teaching hospitals. In recognition of his years of dedicated service to the society, Jackson was awarded the Ames Award in 1969 and lifetime honorary membership in 1975, shortly after his retirement.

Jackson was active in research and development. He pioneered

methods of microanalysis, including the invention of the Bilirubinometer, a direct measurement analyser that enabled pediatric clinical chemistry laboratories to perform neonatal serum bilirubins to determine jaundice in infants and children on a significantly more micro scale than previously possible. As well he published scholarly papers in a variety of journals on a regular basis throughout his career.

"Professor Jackson was a strong advocate of linking research and education. His academic and clinical accomplishments helped to provide clinical chemistry at the University of Toronto and its affiliated teaching hospitals with the international reputation it so richly deserved," said Professor Avrum Gotlieb, chair of laboratory medicine and pathobiology.

CSCC News noted in a tribute on the occasion of his 90th birthday, "There is no question that Dr. Jackson's many professional activities and dedicated example endeared him to his colleagues and students in a way that have ensured he is warmly remembered."

HENRI MATISSE LECTURE & EXHIBIT

Art Gallery of Ontario

A lecture sponsored by the Alumni Association of Woodsworth College will take place on **Sunday, November 12, 2000 at 10 am at the AGO.** The Lecturer is Professor Elizabeth Legge of the Department of Fine Art, University of Toronto. The lecture will be followed by coffee and snacks at 11 am and at 11:30 a guided tour of the Matisse Exhibit will take place. Tickets for the event are \$25.00. Please call 978-5301 to reserve tickets and for further information.

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- Teaching methodology description (no more than 75 words in length)
- Modest suggested reading list of books or articles (if applicable).

Our Thanks to the University Community.

Measuring "Buenos Aires": Team Tracks Earth's Pollutants

BY SUE TOYE

ABOUT HALFWAY DOWN THE eastern coast of Argentina, on a desert peninsula shaped like an elf's shoe, lies a small rectangular-shaped device. As unassuming as it appears, the box, located in a park museum, is on a mission — silently measuring pollution levels 24 hours a day, seven days a week.

Atmospheric researchers from U of T's physics department and Universidad de Buenos Aires are hoping that this device, dubbed Sarkofag by its Russian manufacturers, will shed light on the amount of methane gas and carbon monoxide pollutants being released into the Earth's atmosphere high above the Valdes peninsula.

"This is data that scientists desperately need," said Boyd

Tolton, an atmospheric physics professor at U of T and a lead researcher on this project.

Together with Leonid Yurganov, a senior research associate, and Professor Pablo Canziani from the Universidad de Buenos Aires, Tolton initiated the project to validate measurements taken by MOPITT (Measurements of Pollution in the Troposphere) orbiting the Earth. The satellite detector was launched into space in December 1999 to keep tabs on carbon monoxide and methane pollutants. "We needed an independent ground source to verify the measurements that the MOPITT was taking from outer space," he explained.

The isolated Argentinean location was ideal because of its relatively low levels of ground pollution; its

measurements could then be compared to those of MOPITT without skewing the results. When combined, the readings will give scientists a clearer picture of the natural and human-made sources of pollution, the concentrations of pollution levels and how they are being released into the Earth's atmosphere.

Methane, a natural greenhouse gas that contributes to global warming, is increasing at a rate of one per cent per year whereas levels of carbon monoxide are increasing at an even faster rate, Tolton noted.

The Sarkofag project will be completed next March. The pollution readings will then be sent to the National Center for Atmospheric Research's database located in Boulder, Colorado, for analysis.

Everybody into the (Car) Pool!

BY MICHAH RYNOR

IF GARY NOWER HAS HIS WAY, there's going to be a lot more togetherness at U of T.

Nower, manager of grounds for facilities and services, is championing a new carpooling program called Commuter Connections that he hopes will catch on with students, staff and faculty.

Developed in Vancouver with funds from the Climate Change Action Fund, the program is being introduced to the nation's academic campuses through the Internet with such universities as Queen's, Dalhousie and Simon Fraser already signed up.

U of T joined last June and although only 22 people have signed up so far, Nower is confident the program will be a hit. "We're very hopeful that carpooling will take off here because Toronto traffic is becoming more of a

problem, we only have a fixed number of parking spots and the new open space program promotes more bicycle and pedestrian traffic," Nower said.



He added that the average cost of building underground parking lots, which many people on campus consider an ideal solution, is "exorbitant."

To sign up with the program, visit www.carpool.ca on the Internet and go to the "find a carpool" page. A simple questionnaire asks for your transportation

needs including the time of day you need (or can supply) a ride, what time you finish your day and which campus you're going to.

You can also designate your smoking or non-smoking preference and the gender of the person you want to travel with. All information entered is kept strictly confidential and used only by the people matching riders.

In an on-screen disclaimer, participants are warned that they are solely responsible "for determining whether and when it is appropriate to meet with or share personal information with a potential carpool partner."

Nower and his staff will be monitoring the system to see how successful the program is. "I think we'll eventually have people asking for preferred parking rates for carpoolers. The benchmark of its success will be when I can get a parking spot on Spadina Circle," he said, with a laugh.

New Web Mail Service Launched

~ Continued From Page 3 ~

departmental WebNotice system are automatically added to the bulletin board. Events gathered by the system will be submitted to the university's public events listings, at www.newsandevents.utoronto.ca.

Even more useful, perhaps, is the Web mail service, which allows campus e-mail account holders to access their UTOEmail accounts from any computer with a Web browser. Although there are limits to the size of mail that can be read this way, and functionality limits, this is one way to access your e-mail when you are away from the office or at home," said Nishri. Access to the UTOschedule (Corporate Time) service, allowing people on that system to access their agendas when away from the office, has also been added.

So far, Nishri said, over 6,000

people have used My Utoronto and the numbers keep growing. He is hopeful it will be integrated with future portal initiatives by other campus units, such as one currently being developed by the library, to create a one-stop shop for personalized information for campus users. "My.utoronto.ca is one of many initiatives on campus providing

services via the Web. We would like to provide better integration between these services and future planned ones."

People who wish to post events for their department or club and who aren't currently on My Utoronto or WebNotice should contact Alex Nishri, computing and network services, at alex.nishri@utoronto.ca.

Breech Births

~ Continued From Page 3 ~

of the CRWH's maternal infant and reproductive health research unit. The only difference the researchers observed was that the benefits of planned caesarians were greater in developed countries with low infant mortality rates compared with developing

countries with high infant mortality rates.

Hannah and her research team analysed data from 121 health care centres in 26 developed and developing countries. Funding for the \$2.3-million study came entirely from the Canadian Institutes of Health Research.

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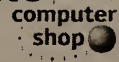
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THE INSTALLATION ADDRESS

October 12, 2000, Convocation

THIS IS A TRULY AUSPICIOUS OCCASION FOR the University of Toronto wherein all of the communities that define us as an institution are here today: faculty, students, staff, alumni/ae, benefactors, distinguished representatives from the federal, provincial and municipal governments, together with scholars and academic leaders from around the globe.... Your combined presence honours not only this city, province and country, but most especially, this great academic institution, the University of Toronto. Finally, I want to acknowledge my own family: my wife, Mary Catherine, our children Michael, Catherine, Patricia and Michelle, their spouses and spouses-to-be, and most important, our grandchildren Jeffrey Robert Prince and Ryan Patrick Birgeneau.

As you may know, Mary Catherine and I were born and raised here in the city of Toronto. We went to grade school and high school here and we later attended St. Michael's College at the University of Toronto. We graduated from this university with an education that was among the very best attainable anywhere in the world and one which provided a robust foundation for our future endeavours. Our journey in life has led us from here to Yale University in Connecticut, to Oxford in England, to Bell Laboratories in New Jersey and then to MIT where I have spent much of my academic career. During this period I have carried out most of my research at the great U.S. national laboratories including the Stanford Linear Accelerator Center, Argonne National Laboratory and, especially, Brookhaven National Laboratory on Long Island, N.Y. Now we have the salubrious privilege of returning home to the city of Toronto and our university, the University of Toronto, where I have the responsibility of leading this great institution into the 21st century.

During the period that we have been living outside of Canada, the city of Toronto itself has both grown and improved remarkably. Toronto is now truly an international city — a city with possibly the most diverse population on earth, and everything that follows from that — marvellous restaurants, great museums, excellent theatre, outstanding public transportation and, most important, at its very centre, the University of Toronto which is one of North America's finest public universities. Indeed, it is a characteristic of all world-class cities that they have at their core one or more great universities.

The University of Toronto is among the oldest universities in Canada. It was founded shortly after the establishment of the first organized settlements in Upper Canada. The university's growth and maturation have paralleled those of our province and our country, the great nation of Canada. To date we have more than 330,000 living graduates including about 200,000 arts and science majors, 40,000 engineers, 12,000 medical doctors, 6,000 lawyers and countless other professionals. Our graduates are the engines that drive the educational enterprise, the culture and the economies of Toronto, Ontario and Canada.

The University of Toronto is a unique institution among North American universities. The core of the university is the Faculty of Arts and Science which is composed of seven colleges: University, Woodsworth, New and Innis and the federated universities Trinity, Victoria and, of course, our own St. Michael's, all at the downtown, St. George campus. There are, in addition, two satellite campuses, U of T at Mississauga and U of T at Scarborough which on their own would rank among the leading universities in Ontario. This "university within a university" construct, which deftly convolves church and state, is a uniquely Canadian solution which makes the educational experience so meaningful for every member of our community. Along with arts and science, we have a remarkable complement of faculties covering the range from architecture to medicine, engineering to social work, business to law and forestry to information studies. We have one of the most diverse student bodies of any university in the world. Fully one-half of our students self-identify as "visible minorities" and more than half are women. Close to half were born outside of Canada and about two-thirds speak another language at home in addition to English.

Let us now discuss how we go forward into the new millennium. Our fundamental ambition is to build on the current high

standing of the University of Toronto to ensure that we take our place unambiguously among the top group of public universities in the world, including such great academic institutions as UC Berkeley, the University of Tokyo, Oxford, Cambridge and ETH in Zurich. In achieving this, there are three central themes that will define the University of Toronto during my presidency. These are excellence, equity and outreach. The first two are intimately related while the third is an essential aspect of our educational and social mission. I would like to address each of excellence, equity and outreach, in turn, beginning with excellence.

I am, of course, not the first University of Toronto president to single out the importance of excellence. Indeed, in his own installation speech the great Claude Bissell, who was president during my and Mary Catherine's time here as students, observed:

"The common quality that characterizes all the men who have given leadership to this university has been an awareness of the importance of scholarship. They speak with one voice in declaring that the university must be the custodian of the excellent."

I am a deep believer in the concept of the research university and it is in this context that we must discuss excellence — by this I mean excellence in research, education and public service. In talking about the research university, I would like to quote Albert Carnesale, the chancellor of UCLA. Carnesale observes:

"The research university has a three part mission — education, research and public service — and it does all three in an integrated way. The same people, faculty, students and staff — are involved in all three endeavours, so that undergraduates participate in research, and graduate students are engaged in teaching as well as in service. That is the distinguishing characteristic that sets the research university apart from other

FIRST AND FOREMOST, WE MUST REMEMBER ALWAYS THAT OUR RESPONSIBILITY IS TO EDUCATE STUDENTS, NOT TO TRAIN THEM

institutions of higher learning and from other institutions in general." In a research university, professional school education, graduate arts and sciences education, undergraduate education, research and teaching are joined together synergistically and harmoniously like the sections in a great symphony orchestra.

In my view, a research university offers the best possible education that one can obtain as an undergraduate, graduate or professional student. There is nothing more exciting than sitting in a classroom being taught by a professor who, one week earlier, has made some discovery that promises to change the paradigm in her field. Great researchers bring to the classroom a depth of understanding and a passion for the subject that is simply not obtainable otherwise. Thus, at the University of Toronto, we must have a faculty who both play a leadership role internationally in research and scholarship and who are committed educators. As technology advances it is self-evident that new media will play a progressively more important role in assisting the educational process but, in my view, great researchers and teachers will always be at the centre of the educational experience.

Excellence in research requires a faculty deeply committed to the pursuit of new knowledge. The University of Toronto already boasts many leading scholars and educators but their numbers need to be enhanced. We must aggressively recruit the best faculty worldwide, especially new junior faculty, and we must support them well. But finally, we must judge these faculty by the highest international standards. We owe it to the University of Toronto and we owe it to Canada.

An excellent faculty will attract both a superb staff and outstanding students. I cannot emphasize too much the importance

of having an outstanding staff, from custodians to senior managers. It is through their dedication and hard work that our university is able to function and certainly we will not be able to achieve high international stature if we do not have a staff that equals those at the best institutions worldwide. I must say, in my first months in office I have been extraordinarily pleased to discover that I have inherited a deeply loyal and hard-working staff who already meet these very high standards.

As a public university, we must remain faithful to our educational mission as our highest priority. First and foremost, we must remember always that our responsibility is to educate students not to train them. This is not necessarily an easy task since, as Canada makes the transition from a commodity-based economy to a knowledge-based economy, there is an ever-increasing emphasis on pure technical knowledge. In spite of these societal pressures, we must ensure that we educate our students broadly so they understand fully who they are, where they come from and where they are going. We must expose our undergraduate students to a rich mixture of humanities, arts, social science, science and technology. Such a broadly based education, which we might call the "new liberal education," will prepare our students properly for leadership in the 21st century. I believe that as we enter the new millennium we must stop and take a careful look at the entire undergraduate educational experience here at the University of Toronto and we must not be afraid to make radical changes. To this end, I am pleased to announce that Provost Adel Sedra and I are creating a council on undergraduate education consisting of senior academic leaders.

Finally, as Canada makes the transition from a commodity-based economy to a knowledge-based economy, research universities like the University of Toronto will function as the economic engines for Canada's society and will be essential for our ability to compete in the global marketplace. For this reason alone, the University of Toronto must take its place among the top research universities in the world.

Let me now come to the second of our three themes, equity. It is self-evident that we cannot achieve true excellence here at the University of Toronto unless we access fully the entire talent pool. As I noted earlier, our student body at the University of Toronto is already remarkably diverse. One of the most inspiring and memorable experiences which Mary Catherine and I have had to date here in Toronto was the orientation session in early September for new students and their parents at the Scarborough campus. There were about 255 parents present at the orientation. The families beautifully reflected the tapestry of the Canadian cultural mosaic. It turned out that only five of the 255 parents had previously sent a child to college or university. The University of Toronto is the pathway for such families to social mobility and prosperity. It is an extraordinary privilege to be able to lead a university that plays such a seminal role in promoting inclusion and equity.

So far, our faculty does not reflect the dramatic demographic transformation that has taken place in our student body and in our community. In order to make similar progress in our faculty, equity in hiring faculty must be of the highest priority at both the institutional and the divisional levels. The responsibility for inclusion must be distributed broadly, from the deans to the department heads to the search committees and to individual faculty. Each of these must take personal responsibility to ensure that we hire and promote only the best faculty and that these faculty members are drawn from the widest pools possible. We must, furthermore, ensure that we continue to foster an environment in which all elements of our society can be comfortable and prosper and in which accessibility no longer presents a major roadblock for anyone in our community. During my term as president, we expect to hire as many as 1,000 new faculty. I am absolutely convinced that if we hire well, with excellence in research and in education as our sole criterion, then, at the end of my presidency, our faculty will look much more like our student body than it does at the present time and, concomitantly, will be measurably stronger.

Our third theme is outreach. As you all know, the University of Toronto already is intimately linked to life in the city of Toronto. If a Torontonian becomes sick and needs medical care where does she go? If he hears great music what are the odds that the musicians will have University of Toronto affiliations? If she wants to learn the newest developments in her field, where

University of Toronto

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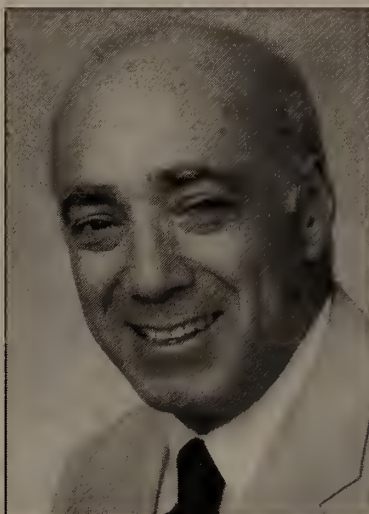
A Letter From the Campaign Chair

The University of Toronto regularly requests support from the Toronto community. The generosity of the response has made available to those of us privileged enough to work here the resources to make our university one of the top institutions of education and research in the world.

The United Way Campaign at U of T allows us to discharge our own communal responsibilities and address the needs of so many outside our walls.

This is an appeal for you to do so as so many of you have for over 20 years.

Last year, our support, together with those of others in our metropolitan community did extraordinary good. For example: United Way agencies were able to provide 20,000 nights of shelter to people without a home. As well, agencies with programs to support abused women and children provided a safe haven for 10,000 people. United Way dollars also helped provide friendship and counselling to over 135,000 seniors in our community. In 1999, our colleagues

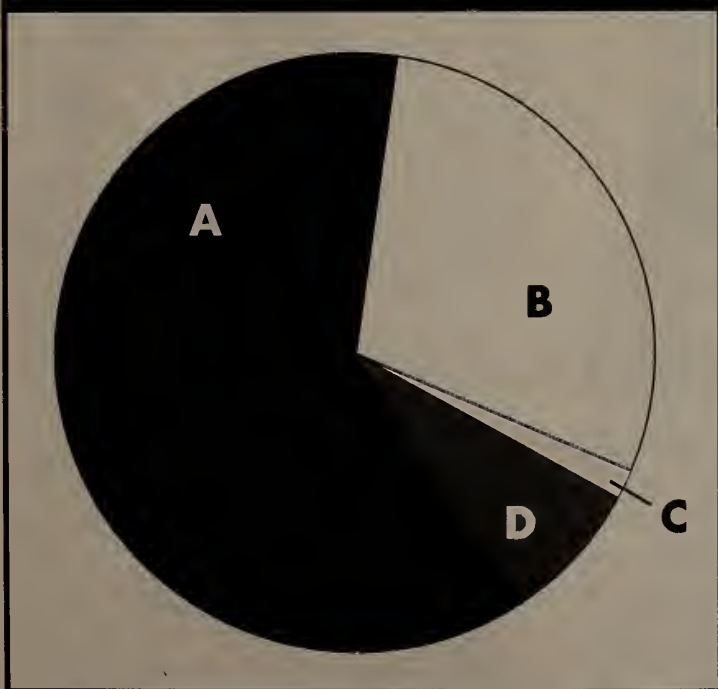


— faculty, staff and retirees — contributed \$665,000, placing us among the 10 most successful employee campaigns in Toronto. However, the participation rate based on all staff, faculty and U of T retirees was barely one in five. Perhaps some did not know how easy it is to give through United Way's payroll deduction plan. Just a \$5 deduction from your monthly salary (\$60 per year) provides hot soup, tea and cookies to a group of 30 frail and isolated seniors. Perhaps some did not realize that donations can be directed through the United Way to specific programs such as United Way's Success by 6™ which helps Toronto's most at-risk children. Perhaps some did not realize the rigorous process each United Way agency goes through to justify expenditure of your precious dollars and ensures that each agency is both effective and efficient. As chairman of the University of Toronto United Way Campaign this year, I ask each of you to carefully consider supporting our effort.

Your gift to United Way is a direct investment in the people who need it most. Through the network of 200 social service agencies, United Way offers hope to more than one million people every year. Let's show that U of T cares for our community. Your gift really is the way to help the most. Thank you.

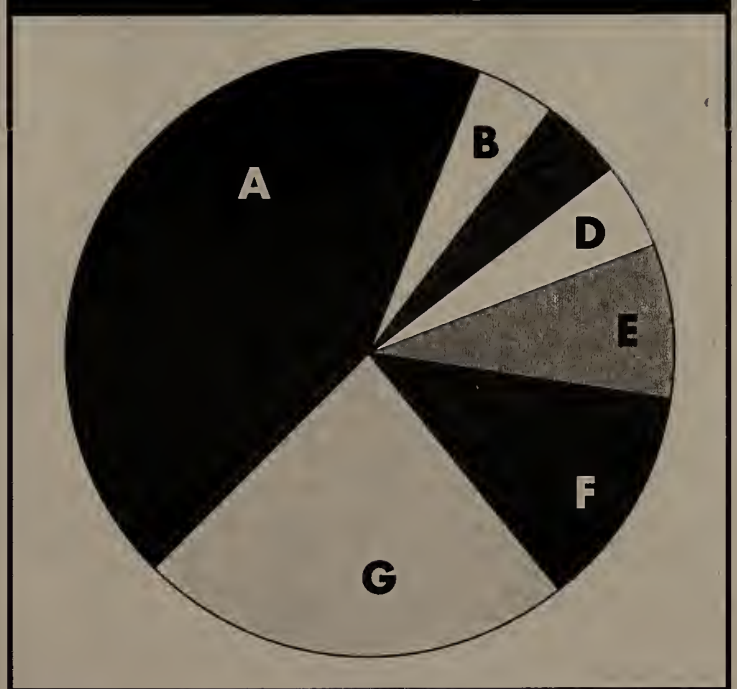
Michael Marrus, Dean of the School of Graduate Studies
Chair, U of T 2000 Campaign

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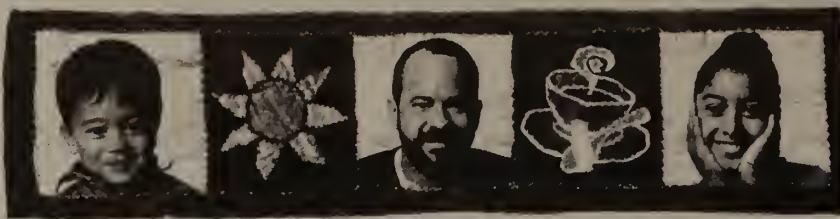
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- D. Assistance to newcomers to settle and integrate : 4.6%
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Without you, there would be no way.

Having the chance to stay at home with family

Carmelina D'Amico's 83-year-old mother-in-law has Alzheimer's disease. With the help of the Alzheimer Day Program at St. Clair West Services for Seniors, a United Way agency, the D'Amicos are able to care for her at home. "My mother-in-law no longer recognizes our family or even her own name. She wanders day and night and can't dress, clean, or feed herself.

"Ten years ago, Alzheimer's disease began stealing pieces of her mind. She started losing things, picking fights and forgetting where she was. Eventually, we were faced with the difficult decision of how best to care for her.

"She's given us so much over the years, and we wanted to give something back, so we decided to keep her at home — an overwhelming task not all families can manage. The Alzheimer Day Program at St. Clair West Services for Seniors gives us the opportunity to do this. My mother-in-law attends the program six days a week, yet still lives with us, where she spends the evenings

and nights in familiar and secure surroundings with people who love her.

"With help from United Way, the St. Clair West Alzheimer Day Program provides a stimulating environment where clients can interact with others and receive care for their needs. The funding provided by United Way keeps the costs of the program down, so the cost to us is reasonable. Without that funding, I don't know how we'd afford it.

"The agency is a godsend to me — if my mother-in-law was at home all day, I wouldn't know what to do. She needs constant supervision and I can't take her everywhere. Her care is demanding and she has so many special needs. Without St. Clair West Services for Seniors, she would have to be institutionalized. We're grateful to St. Clair West and United Way for giving her the chance to stay at home with her family."

Reprinted from The Toronto Sun, October 1999



Arcade Program Goes Beyond Fun and Games

As a youth worker at St. Stephen's Community House, Sammy Hazlett is accustomed to answering all manner of questions from young people. But when one youth wanted to talk about drugs in particular one day, Hazlett was curious why it was important to him. The youth replied, "Because I wanted to know if I still have a chance."

"I was totally caught off guard," 19-year-old Sammy recalls of the discussion. "He said it nonchalantly, but there was a lot of emotion behind it. And I totally caught on to what he was saying. I told him, 'You can change your life if you wanted to.'"

Confronting serious life issues is part of what makes St. Stephen's youth program so successful. The Arcade is a drop-in centre for youth aged 12 to 18, providing a social and recreational space for youth after school. Activities and group workshops to discuss inner-city issues like safer sex, crime and drugs attract as many as 30 youths. The Arcade also has a lunch program where youths bring in their own lunch and get together to talk twice a week. On Wednesdays, the Arcade offers a dinner program where participants can

prepare meals for themselves.

A young adult himself, Sammy acts as a role model to many of the Arcade's participants, who come from diverse backgrounds. "A lot of them don't have the supports that other kids have," he says. "They need somebody to tell them the dos and don'ts." Sammy's relationship with his parents was rocky and he didn't have a lot of people to turn to but he was determined to stay in school. He's now studying graphic design at George Brown College. He stresses that if an average kid like himself can overcome barriers, other youths can too. "I tell them, 'This is what I did, this is what you could do.'"

The Arcade was created in 1990 to respond to neighbourhood concerns about youth and drugs but has evolved through the years to meet other needs. It's not only for kids at risk but also for kids struggling with day-to-day concerns like peer pressure, school and family life. Staff take extra care to make sure the programs are youth-driven.

Reprinted from the Way To Go newsletter, Spring 2000

Frequently Asked Questions

Q. What is United Way of Greater Toronto's value statement?

A. At United Way:

- We are personally committed to fulfilling United Way's mission.
- We care about our customers and strive to meet their needs promptly and effectively.
- We demonstrate the highest standards of professionalism in everything we do.
- We are innovative and creative in responding to new challenges and opportunities.
- We work co-operatively as a team and promote an environment of mutual respect.

Q. What is Areawide?

A. Areawide is a partnership involving five United Ways in the GTA to provide better service to large organizations that run workplace campaigns in locations across Peel Region, York Region, Ajax-Pickering, Oakville and Toronto. Campaigns are jointly serviced by these five United Ways, and the money raised is distributed according to a set formula.

Q. How many agencies does United Way fund?

A. United Way of Greater Toronto provides funding to 200 agencies in Toronto. United Way funds an additional 144 agencies/programs through the Areawide campaign.

United Way's member agencies receive ongoing funding for their administration and programs, subject to a rigorous review and approval process by a panel of trained volunteers. United Way also allocates short-term grants through the following programs:

- Success by 6™, which provide pre- and postnatal care for at-risk mothers, home visits to new mothers, and parent education;
- Freedom from Violence Grants, which provide outreach to isolated women and violence prevention programs;
- Winter Relief Grants, which expands emergency services to the homeless during winter months;
- Action Grants, which build the capacity of people to care for themselves and assist agencies with restructuring.

Q. What makes an organization eligible for United Way funding?

A. In order to be eligible for United Way funding, an organization must:

- Be private, non-profit and not connected to any political or religious group;
 - Be incorporated and registered as a charitable organization under the Canada Income Tax Act;
 - Provide programs and services which are of a social, health, community or related nature;
 - Meet a vital local community need;
 - Be operated by a volunteer board of directors that reflects the community it serves. This board must be responsible for the development, delivery and evaluation of services, and the efficient and effective management of the agency's programs and budget;
 - Effectively use volunteers in the delivery of service;
 - Be supportive of United Way, its operating policies and campaign efforts.
- It is also worth noting that agencies must apply in order to be considered for United Way funding.

Q. How are agencies assessed?

A. Each agency that applies for funding is assessed through United Way's volunteer review process. Staff and volunteers visit the agencies and evaluate their submissions based on the following criteria:

- Program Effectiveness — does the agency meet its mandate and demonstrate positive impact in the community?
- Accessibility — staff and volunteers reflect the community being served and address any identified barriers to accessibility.
- Resource Management — agency demonstrates effective and efficient use of resources.
- Need for United Way funding — agency demonstrates a practical need for United Way dollars and presents a proposed budget that is realistic.
- Agency Support for United Way — agency helps promote United Way and demonstrates support for its policies and procedures.

Q. Can donors direct their donations?

A. Yes, donors can direct their donations to any of United Way's 12 areas of service (including our four priority areas), to a specific United Way agency or to another United Way. United Way donors can also direct donations to any registered charity in Canada.

Torture Survivor Credits United Way Agency for New Life

Seyed Sepasi says United Way gave him back his life. The 48-year-old engineer was persecuted and even tortured for his political views in his native Iran. But Seyed managed to survive and fled to Canada seven years ago.

At first, it was hard for him to settle in Toronto, having to leave behind three children and his ex-wife. He didn't speak English and had no friends here. But

thanks to the Canadian Centre for Victims of Torture (CCVT), a United Way member agency, Seyed found hope.

CCVT gave him a shoulder to lean on, counselling for the trauma he suffered and a way to connect with others in the community. Seyed realized he was not alone. "Without them, I wouldn't have been able to cope," said Seyed. "I'm grateful for the many programs

there."

Having established himself in Canada, Seyed now volunteers at CCVT in his spare time to encourage others who may have experienced hardships similar to his. He now has a place to live, a job, and most important, a new start.

Reprinted from the Way To Go newsletter, Summer, 1999



All pledge cards should be returned to Analee Stein by November 30, 2000 at 563 Spadina Avenue.
Enquiries: phone 946-5843 or email: analee.stein@utoronto.ca



**United Way
of Greater Toronto**
Without you, there would be no way.

VOLUNTEERS MAKE ALL THE DIFFERENCE

United Way Canvassers for 2000 Campaign

For more information about the United Way of Greater Toronto, go to www.unitedwaytoronto.com

FACULTY OF ARTS & SCIENCE:

Biochemistry – Anne Vanek
Botany – Memoree Schafer
Chemistry – Ken Hine
Classics – Ann-Marie Matti
Computer Science – Martha Hendriks
Commerce – Lisa MacTavish
Computing in the Humanities &
Social Sciences (CHASS) – Gabrielle Homes
Dean's Office – Ida Ferrinho
East Asian Studies – Celia Sevilla
Economics – Prof. Nancy Gallini
English – Gaetana LaRocca, Cecilia Martino
Fine Art – Joanne Wainman
Geography – Donna Jeynes
Geology – Silvana Papaleo
History – Vicky Dingillo
Italian Studies – Gloria Cernivivo
Linguistics – Jack Chambers
Mathematics – Nadia Villani
Philosophy – Anne Hansen
Physics – Bob Logan
Political Science – Nelson Wiseman
Registrar's Office – Angie Calabrese
Spanish & Portuguese – Steve Rupp
Religious Studies – Marilyn Colaco
Zoology – Peter Thinh

COLLEGES:

Innis – Kelli Cornforth
New – Chris Sparks
Trinity – Jill Willard
University – Nona Robinson
Victoria – Sharon Larade
Woodsworth – Barbara Sutton

ENGINEERING:

Aerospace Studies – Ida Abert
Chemical – Arlene Fillatre
Civil – Eva Kuhn, Nelly Pietropaolo
Electrical & Computer – Raymond Kwong
Mechanical & Industrial – Marius Paraschivoiu
Metallurgy & Material Sciences – Teresa Miniaci
Applied Science and Engineering – Jacqueline Isaac

MEDICINE:

Anatomy & Cell Biology – Beblan Soorae
Anesthesia – Lyn Michisor
Banting & Best Diabetes Centre – Sandra Grant
Comparative Medicine – Diana Hiesl
Continuing Education – Sandra Leith
Family & Community Health – Iva Berlekovic
Laboratory Medicine & Pathology – Julia Bella
Medical Genetics & Microbiology – Kathleen Smith
Medical Imaging – Gina Sciortino
Centre for Research in Neurodegenerative Diseases – Scott MacDonald
Nutritional Sciences – Janette Campbell
Obstetrics & Gynecology – Sylvia Bailey
Occupational & Physical Therapy – Rob Eberts
Pediatrics – Sharon McMillan

Pharmacology – Janet Berketa
Physiology – Julie Weedmark
Playfair Neuroscience Unit, Toronto Western Hospital –
Jeanny Lau
Psychiatry, The Clarke Institute – Eva Wong
Occupational & Physical Therapy – Shirley Ng
Radiation Oncology – Vijay Chetty
Public Health Sciences – Sandra Lang
Speech – Language Pathology – Tina Abbato
Surgery & Biomedical Communications – Linda Dann
Teaching Labs – Joanne Jamieson

**Please be kind
to your canvasser.
Give like you never
have before.**

OTHER FACULTIES:

Architecture, Landscape & Design – Komala Prabhakar
Dentistry – Donna Crossan
Forestry – Ian Kennedy
Information Studies – Joe Cox
Law – Catherine Valcke, Ann Rae
Management – Ann Armstrong, Kathleen Saddington,
Lee Benson, Mark Allen, Barclay Hancock
Music – Robin Hurst, Christa Hardat
Nursing – Eleanor Ross

**Please submit your completed
pledge forms by Thursday,
November 30.**

**The University of Toronto has a
proud record of giving to the
United Way. We have consistently
ranked among the
top 10 employee donors and
are well ahead of all other
educational institutions.**

**This year's campaign chair is
Professor Michael Marrus, Dean
of the School of Graduate Studies.**

**2000 Campaign Objectives
25% overall participation
Goal \$685,000**

**1999 Campaign Objectives
20% overall participation
Raised \$ 665,000**

OISE/UT:

Adult Education & Counseling Psychology – Amelia Nanni
Curriculum, Teaching & Learning – Sue Eccles
Human Development & Applied Psychology – Kathleen Kiang
Institute of Child Study – Elizabeth Rentzelos
Sociology & Equity Studies in Education – Cheryl Williams
Theory & Policy Studies in Education – Jane Goodlet
Pharmacy – Vinita Arora, Marie Dean
Physical Education & Health – Larry Leith, Karen Lewis
Social Work – Usha George

CENTRES, INSTITUTES & SCHOOLS

Theoretical Astrophysics – Margaret Fukunaga
Continuing Studies – Anne-Marie Brinsmead
Criminology – Rita Donelan
Drama Centre – Luella Massey
Environmental Studies – Mona El-Haddad
Graduate Studies – Burnella McKenzie
Health Promotion – Barry MacDonald
History & Philosophy of Science & Technology –
Muna Salloum
Industrial Relations – Hilary Shelton
Medieval Studies – Grace Desa
Policy Studies – Sharon Eddie

ADMINISTRATION & STUDENT SERVICES:

Admissions & Awards – Lidija Mestnik
Campus Police – Sam D'Angelo
Career Centre – Stephanie Brown
Computing & Network Services – Clara Pereira
Counselling & Learning Skills – Mitra Gholamain
Environmental Health – Vinkent Pang
Facilities & Services – Michael Baker, Phil Garment,
Ancil Kashetsky, Bob Ross, Leslie Barcza,
Suzanne Doyle, Alex Mac Issac, Lou de Melo,
Steve Miszuk, Gary Nower
GAGE Occupational & Physical Therapy – Pat Brown
Gerstein Science Information Centre – Vidya Mahadeov
Hart House – Laura McWade
Health Services – Maria Vila
Housing Services – Arlene Clement
Internal Audit – Evan Aspit
International Student Centre – Jian Su
Library Administration – Gabriela Bravo
Psychiatric Services – Patricia Marchitelli
Robarts Library – Darlene Kent
Office of Space Management – Rose Stina
Office of Statistics, Records & Convocation – Kitty Cheung
Office of Student Affairs – Nancy Strukelj
Office of Student Recruitment – Liz Dunlop
Transitional Year Program – Barbara Lew
U of T Bookstore – Anna Cudini
VP – Administration & Human Resources – Joanna Davis
VP & Provost – Rachel Kasimer, Cristina Oke

UNIVERSITY OF TORONTO AT MISSISSAUGA
Christine Capewell

UNIVERSITY OF TORONTO AT SCARBOROUGH
Cynthia Bishop, C.K. Govind, Shelley Crawford

We apologize for any omissions as we are still actively
recruiting canvassers.

OF ROBERT J. BIRGENEAU

n Hall, University of Toronto

would she go for a continuing education course? Each of these is an arena where the University of Toronto provides invaluable public service. Nevertheless, it is clear that we can increase significantly our impact on the city around us.

An important way in which we can serve our city is through our students themselves. It is a great privilege to be a student at the University of Toronto. But with that privilege comes the obligation to give back to society in proportion to the benefits that one receives from it. Social science research suggests that if you do not participate in voluntarism when you are young, then you are unlikely to do so later in life. Fortunately, there is already significant voluntarism by University of Toronto students in a whole variety of community activities. Nevertheless, we can increase substantially service by our students, staff and faculty in the community. For example, due to a variety of complicated reasons homelessness is an increasingly severe problem in Canada. Our students are already aiding the homeless through such activities as soup kitchens but there is much more that we can do. There is a continuing need for big brothers and big sisters for the children of the urban poor and for troubled teens. There are also many lonely, isolated elderly people who are desperately in need of companionship. Each of these social dilemmas presents worthy challenges for our students who could thereby impact very directly the city from which our university takes its name. We need to integrate voluntarism and social service more fully into student life here at the University of Toronto.

Of course, the University of Toronto as a whole can also contribute in many important ways to life in the city. I have already mentioned three arenas in which we play an important role, health care, the performing arts and continuing education. We must also be good citizens, interacting constructively with our neighbours around us. It is also evident that through OISE/UT and University of Toronto Schools as well as the efforts of individual faculty and students we can continue to enhance primary and secondary school education in Toronto and in Ontario. I look forward to partnering with Mayor Lastman and the city on these many issues.

In achieving our goals of excellence, equity and outreach, we will require the full participation of our entire community: faculty, staff and students. I want to emphasize that underlying these three themes is our deepest value, academic freedom, which is a fundamental principle for any great university. Indeed, in U of T's Statement of Institutional Purpose we say:

"Within the unique university context, the most crucial of all human rights are the rights of freedom of speech, academic freedom, and freedom of research. And we affirm that these rights are meaningless unless they entail the right to raise deeply disturbing questions and provocative challenges to the cherished beliefs of society at large and the university itself."

Canadian society is justifiably renowned for its civility. We at the University of Toronto must ensure that in our pursuit of academic freedom our disagreements are addressed with utmost civility and without the obloquy that has characterized some recent debates.

Let me now return to the theme of excellence and our pathway to attaining and sustaining a world leadership position as a public research university. In the Canadian system we have four partners in this endeavour: the provincial government, the federal government, the private sector and individuals, including most especially our alumni/ae. They provide us with the majority of the resources that enable us to carry out our educational and research missions.

The challenge faced by research universities in Canada is very often encapsulated in the metaphor: "brain drain." Indeed, my own election as the 14th president of the University of Toronto was greeted with the whimsical newspaper headline: From brain drained to brain regained. However, as emphasized by our distinguished dean of the Rotman School of Management, Professor Roger Martin, "brain drain" is a misnomer. Rather, in the 21st century, the proper phrase is "brain redistribution." The academic marketplace is absolutely as global as that for automobiles, computers and communications systems. The Max Planck Institutes in Germany aggressively recruit internationally for their senior investigators. The new RIKEN Brain Science Institute in Tokyo intends to appoint non-Japanese to at least 30 per cent of its laboratory head positions. Oxford and

Cambridge have been vigorously recruiting faculty from North America. Of course, my own past institution, MIT, has risen to a world leadership position in science and technology by relentlessly recruiting the very best faculty internationally with excellence being the only criterion.

Clearly, if the University of Toronto, or any other Canadian university for that matter, is to achieve and sustain a world leadership position among public research universities, then we must be able to compete effectively for faculty in the global academic marketplace. One very significant advantage we have in Canada is our high quality of life, especially in cities such as Toronto. However, we still must be able to provide first-class infrastructure and research facilities; our faculty must have adequate research support and discretionary resources and, of course, we must offer internationally competitive salaries. For many academic researchers and educators, the quality of the graduate student body is also of paramount importance. In order to attract the top echelon of PhD students to the University of Toronto we must be able to offer graduate student support packages that are competitive with those given by U.S. and western European universities.

This now brings me back to our four partners in this great adventure. I use the word "partner" because I truly believe that the prosperity and well-being of our society, as reflected in its scholars, entrepreneurs, professionals, visionaries and artists, relies on a shared vision of greatness. We cannot name which of our students, faculty, or alumni/ae will change the course of history or enrich the quality of our lives but we know that seminal events are possible when there is a great university. We also know that every singular discovery or idea, like every Nobel Prize or every Olympic medal, confers on its community a shared glory acknowledged by the wider world. If we aspire to

THE PROSPERITY AND WELL-BEING OF OUR SOCIETY RELIES ON A SHARED VISION OF GREATNESS

be a city, province or a nation that wields an ever stronger, sustained presence on the world stage, our shared responsibility is to work together to provide the kind of environment where such greatness is possible.

I came home because the University of Toronto is in a position to make this leap to the world stage. It seems to me more possible than ever before because our aspirations are intertwined with those of our partners in government. Ontario and the University of Toronto have a mutually reinforcing mission, as we do with our nation. After the difficult fiscal period of the last decade, we are now seeing progressively increasing support for higher education and research by the provincial government through programs such as the Ontario Research and Development Challenge Fund and the Research Performance Fund. Of course, increasing provincial support will become even more critical as we attempt to accommodate the impending wave of enrolment increases and to operate at international levels of excellence. I want to thank Deputy Premier Eves and Minister Cunningham for the superb initiatives they have introduced in the last few years and for their unstinting support. I ask them to continue their assiduous work on our behalf.

Of equal importance, the federal government has seized the crucial role it must play in investing in the research enterprise and in research universities for the economic health of Canada. This realization is manifested most dramatically in programs such as the Canadian Foundation for Innovation and the Canada Research Chairs program that are wonderful developments for all research-intensive Canadian universities. In order for us to compete effectively with our U.S., Japanese and western European counterparts, it is essential not only that federal

research funding be increased but that the federal government pay the full costs of the research that it funds. We are quite optimistic that this will, in fact, occur and I wish to commend Deputy Prime Minister Gray for the federal government's continued leadership and support.

As a public university, we expect that our major support should and will come from the provincial and federal governments. However, we also recognize that we have important relationships with society as a whole, most especially with the business sector. This means that we must be even more vigorous in facilitating the commercialization of the results of our research. We also need to continue to partner actively with the private sector and to do so in such a way that the rights and freedoms of both our own faculty and students and our industrial partners are properly protected.

Finally, let me discuss individual support. It is only in the last 15 years or so that Canadian universities have recognized the importance of permanent private support in the form of an endowment. An adequate endowment enables us to guarantee that every qualified undergraduate student who is admitted to the University of Toronto is able to attend independent of his or her family's financial resources. With sufficient endowed funds we will be able to offer graduate fellowships that will bring the very best young scholars to the University of Toronto. Endowed chairs provide both enhanced salaries and discretionary research resources for our most distinguished and accomplished faculty. Individual philanthropy, in partnership with the university and with government programs such as Superbuild, has made possible the construction of many important new research and educational centres at the University of Toronto.

During the past decade, Rob Prichard, Jon Dellandrea, Tony Comper and their corps of volunteers have led the most successful development effort in the history of Canadian universities. I am very grateful to each of them and, of course, to the tens of thousands of our alumni/ae and friends who have given so generously to the University of Toronto. As you all know, we are now in the middle of a campaign to raise a total of \$575 million. Through your extraordinary generosity and through the brilliant efforts of Rob, Jon, Tony and many others, we have already exceeded that goal. However, it is undoubtedly clear from everything that I have said here today, that we must raise our sights even higher if the University of Toronto is going to join the ranks of the top ten public research universities in the world.

Accordingly, I hereby announce officially that as of today we have redefined the goal to be \$1 billion. I am pleased to say that Tony Comper and the campaign executive committee have enthusiastically and unanimously endorsed this new goal and have pledged to work tirelessly on our behalf. The campaign will be extended to Dec. 31, 2004. I ask for your enthusiastic support in guaranteeing our success in this renewed campaign. With your help, Canada can have a research university that is truly among the best in the world — we will succeed in the Olympics of Academia.

I thank you all for your patience. I would like to finish this address by giving special recognition to a number of people. I am extremely grateful to the University of Toronto presidential search committee for giving me this wonderful opportunity to serve my alma mater and my country. I want to thank Wendy Cecil-Cockwell and Hal Jackman for their unfailing support, especially during the transition period. I also want to thank Rob Prichard, a truly great academic leader and one of the finest presidents in the history of the University of Toronto, for his warm friendship and for the countless hours he has spent educating me and giving me counsel. I want to acknowledge the leadership team here at the University of Toronto including Adel Sedra, Heather Munroe-Blum, Jon Dellandrea, Michael Finlayson and our newest addition, Sheldon Levy, for their kindness to me in our first few months of joint governance here and for their brilliant work on behalf of this great institution. Finally, of course, I want to thank my wife, Mary Catherine and all of my family for their love and support.

I pledge to each and every one of you to provide the University of Toronto with the best leadership of which I am capable. Further, I pledge to exercise my leadership with fairness and equanimity to all members of our community: faculty, staff and students. Thank you.

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7 Hart House Circle

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Orthotics are custom made foot supports that fit into shoes which help to place the feet in a biomechanically correct position, allowing the muscles, tendons, ligaments and bones to function more efficiently.

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SPOTLIGHT ON RESEARCH

PERCEPTION & REALITY



SUE TOYE

Boys perceived as incompetent writers

Young males view themselves as less competent writers than their female counterparts, says education professor Shelley Peterson.

"I am concerned that boys have repeatedly not performed well in provincial achievement tests and this may have something to do with the way they perceive themselves as writers," said Peterson, of (OISE/UT). "Students themselves don't feel boys are as capable as girls are in writing."

Peterson asked 400 urban, suburban and rural Ohio students in grades 4, 6 and 8 to analyse writing samples. The students were asked to determine the gender of the authors of nine stories written by other Ohio students in a neighbouring district. The study found that students perceived the author to be female if the stories were descriptive and well written and male if the stories had spelling errors and poor grammar. Two female students also remarked that "boys don't write as well" because they "don't take the time to write a long, interesting story."

If left unchecked, perceived incompetence in writing by male students can have wider implications on a child's personal development, Peterson said. "Children often live up to the expectations of adults. If boys

view themselves to be poorer writers, they will give the impression that they are poorer writers. This can impact their decision to have any career that involves writing."

Programs encourage retirement at 60

Today's seniors benefit most from government retirement programs if they stop working between 60 and 61 years of age, says U of T economist Michael Baker.

"The money the average Canadian gets from government retirement programs peaks at about age 60. There is an incentive in the system to retire at that age and Canadians seem to be responding to it," Baker said. "Seniors are recognizing that, in a sense, they are losing money if they wait any longer to leave the workplace."

Baker, along with PhD student Kevin Milligan and Professor Jonathan Gruber, an economist at Massachusetts Institute of Technology, studied the earning histories of thousands of Canadian seniors. The researchers calculated the seniors' entitlements under the various public retirement programs and compared these figures with their actual retirement decisions.

"Our results show clearly that Canadians are less likely to retire in a year in which working an additional year would increase their lifetime benefits significantly," he said. The study is the first of its kind in Canada that uses real-life data to show that seniors do in fact respond to incentives in government retirement programs.

"This research shows that if governments want to encourage Canadians to work longer they need only change the rules, such as the

level of benefits or the date at which early retirement becomes an option," Baker said.

JUDY NOORDERMEER

Drug overuse makes yeast infections harder to treat

The indiscriminate use of over-the-counter treatments and the misuse of prescriptions by women afflicted with yeast infections may make the condition more difficult to treat in the future, says a group of U of T researchers.

Laboratory experiments by botany professors Linda Kohn and James Anderson and graduate student Leah Cowen at U of T at Mississauga show that cells repeatedly exposed to azole drugs — the most commonly used and prescribed anti-fungal treatments for yeast infections — develop resistance to that drug.

"It was assumed that when you finish a course of drug therapy, you have killed off all of the fungus or infection. If there are any drug resistant organisms left, it was thought that they'd be weaker, wouldn't grow as well and just die out," Kohn explained. However, her work with Anderson and Cowen runs counter to that assumption.

"Our research has shown that drug resistant microbes not only compete well, they are able to evolve and adapt to overcome problems or weaknesses relatively easily," Anderson said. "In some populations, the drug resistant microbes even grew faster and started to overtake the microbes that showed no drug resistance." And that is worrisome, the researchers said, especially if a person gets sick again. The infection may not be more virulent but it could be resistant to the original drug, and that means taking the same drug therapy may not help.

JANET WONG



The John P.
Roberts Research
Institute

*The John P. Roberts Research Institute is the only
privately operated medical research facility in Canada
and is affiliated with both London Health Sciences
Centre and The University of Western Ontario*

Transgenic Animal Technician

Robarts Research Institute is looking for a highly motivated transgenic animal technician to join our expanding Transgenic Production Laboratory at the Robarts Barrier Facility. This full time position is available immediately.

The successful candidate will be part of a team that produces and develops transgenic mice. The person will be responsible for embryo manipulation and rodent surgery. The person will assist in rodent treatments, animal husbandry, maintenance of breeding colonies, record keeping, performing technical procedures and services required by researchers. The position requires someone with good organizational skills, the ability to communicate verbally and in writing, attention to details in record keeping, problem solving skills, the ability to work independently, excellent interpersonal skills to work courteously and effectively with faculty, post-doctoral fellows, graduate students, technicians and coworkers. The successful candidate will possess a B.Sc., registered veterinary technician or equivalent with experience in embryo manipulation, rodent surgery, animal husbandry, maintaining breeding colonies and proficiency in Access, Excel, Power Point, Windows, Word Perfect and Microsoft Word. C.A.L.A.S. certification is an asset.

Qualified individuals should send a letter of introduction and resume by 17 November 2000 to: Director, Human Resources, The John P. Roberts Research Institute, P.O. Box 5015, 100 Perth Drive, London, Ontario, N6A 5K8 Fax: 519-663-3789

***Appreciation is expressed to all who respond to this advertisement;
however, only those to be interviewed will be contacted.***



AN ACT OF REMEMBRANCE

at

The Soldiers' Tower
Hart House Circle

FRIDAY,
NOVEMBER 10TH,
2000

at 10:30 a.m.

Carillon

•

Piper

•

Hart House Chorus
directed by John Tuttle

•

Last Post and Reveille
will be sounded

- Reception in Hart House following the service
- The Memorial Room will be open to visitors until 3:00 p.m.

Arranged by the Soldiers' Tower Committee,
University of Toronto Alumni Association



KICKING THE CAR HABIT

The true price we pay for our car addiction far exceeds the cost of gasoline

By BETH SAVAN

IN BOTH EUROPE AND CANADA, GAS PRICES HAVE recently provoked unprecedented uproar — demonstrations, demands for gas tax reductions and energetic public debate. Discussion has focused on taxation and the difficulties high gas taxes create for car and truck owners. It is notable that complaints about gas prices have been vociferous here, as well as in the U.K., despite the fact that we pay only a fraction of the price of gas in Europe, and in England in particular. Clearly, protesters are furious that their mobility is under threat. But the price we pay for our car habit greatly exceeds the modest cost of gas in Canada.

The Ontario Medical Association has estimated that air pollution related illness kills more than 1,800 people and makes many times that number sick in the province each year, at a cost to society of over \$2.4 billion. Accidents and fitness lost when people drive rather than walk or cycle create further health care expenses. Government subsidizes the construction of roads and parking areas, and maintains them at enormous expense, while public transit costs are passed on to users. In fact, Ontario is the only jurisdiction in the developed world where senior levels of government don't support public transit. The air, land and water pollution caused by automobile production, use and disposal is also huge — together they likely exceed the impacts of any other single industry.

Most of these costs we have yet to pay — lead in soil from historic car emissions near roadways, chronic smog and congestion reducing our attractiveness as a site for investment and tourism and water polluted by salt runoff in the spring will prove exorbitant to remedy. Bill Rees at UBC and the International Center for Technology Assessment in Washington, D.C., has estimated that if these true costs of running a car were added to the price of gas, we'd be paying more than \$5.40 a litre — that's more than seven times the current Canadian price.

Our driving addiction is expensive but many would argue that our options are limited. Indeed, in the north and in rural and outer suburban areas it is virtually impossible to get around without a car. And public transit, walking and cycling can be slow, inconvenient and even dangerous. But they don't have to be that way; changing our habits and our infrastructure to promote alternatives to travelling by car would certainly be cheaper, healthier, more equitable and less polluting than the status quo. Over the past 10 years, the percentage of those in Toronto who cycle instead of drive, for instance, has increased from seven to nine per cent, thanks to municipal investments in bicycle infrastructure.

Trondheim, Norway and Singapore charge cars for entering the city core. In the U.S., federal road subsidies are only available to states with a critical level of support for public transit. Proposals have been made in Toronto to charge for use of important highways accessing the downtown and to use these funds to invest in more extensive transit. Private sector employers in Los Angeles provide non-drivers with equivalent funds to those

spent on parking spaces for drivers, to encourage drivers to get out of their cars. Ottawa pays civil servants a mileage rate when using their bicycles for city business. More fundamentally, city planners in their new Toronto plan, as elsewhere in the country, are trying to create denser cities and suburbs with the mix of housing and employment that reduces the need to commute by car.



While many of these initiatives require government action, some can be undertaken by this university on its own. The recently announced car pool program, promoted by our environmental protection advisory committee, whereby the university has joined a national group facilitating carpools (see www.carpool.ca) is an encouraging start. A university subsidized membership in Autosshare, a co-operative car sharing operation, would extend this commitment.

In Cuba, suburban universities have buses to pick up and drop off staff and faculty at set times at prearranged stops. Off-road bike paths on campus and greener parking lots would enhance the campus, at minimal cost. New university parking garages

cost much more per spot to build and maintain than users pay in daily rates. Removal of this subsidy, or providing an equal benefit to transit users, pedestrians and cyclists in cash, is an option that has proven popular in California. All of these measures would make the university a greener, safer and more accessible place.

One institution in the city of Toronto is inviting the university to set an example of green transportation infrastructure. The Toronto Atmospheric Fund (TAF), a Toronto agency with a \$1-million annual budget for combating global warming and air pollution in the city, plans to focus its spending on transportation and green energy from 2001 to 2003. TAF is already piloting several initiatives in the city, which could easily be extended to the university. With the expertise and experience available in the university's joint program in transportation, we could apply for TAF feasibility funding to explore other appropriate options.

This offers us an unprecedented opportunity to green the campus, with outside assistance: we could request that a free bike depot be established on campus; Super Low Emission Vehicles such as the Toyota Prius and soon to be available electric bicycles and two-seater cars could be purchased to replace aging university vehicles; we could partner with the city's new integrated mobility system by pilot testing "smart cards" for use on various transportation systems, with attendant benefits and discounts and could initiate other innovative measures with TAF support.

Gasoline prices will continue to rise, even if the real costs of gas use aren't incorporated into gas taxes. We urgently need more accessible, less polluting forms of transportation. Toronto has made a good start towards more sustainable transportation in its new official plan and its environmental plan. But both will need strong support and effective implementation if they are to achieve their promise.

One group participating in these efforts is the U of T-based Community University Research Alliance, which links university researchers with the City of Toronto and several environmental non-governmental agencies. Together with a clear commitment from Toronto's universities, we can make this city more economically successful, socially equitable and environmentally healthy.

Beth Savan is director of the environmental studies program at Innis College and co-directs the SSHRC-funded project on Promoting Community Sustainability: Linking Research And Action with David Bell at York University (www.utoronto.ca/envstudy/cura/toronto.html). Project partners include the City of Toronto, Toronto Environmental Alliance and the Canadian Institute for Environmental Law and Policy, some of whom assisted in preparing this article. Savan welcomes comments at: b.savan@utoronto.ca

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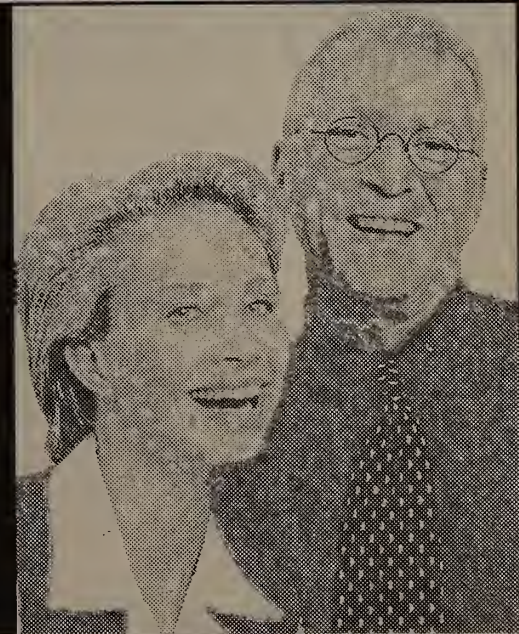
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ON THE OTHER HAND

BY NICHOLAS PASHLEY

GOLDEN AGE OF THE "KOOB"

SINCE I LAST WROTE WE HAVE installed our new president, which turns out to be a lot easier and more fun than installing most of those Microsoft Windows things. I'm sure he'll be more user-friendly too.

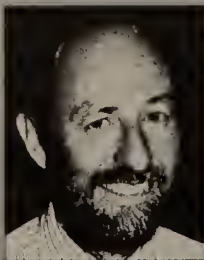
Last month I chronicled some of the dramatic events of this past summer, but I left out the best of all: the announcement that Avie Bennett had donated 75 per cent of his venerable Canadian publishing house McClelland & Stewart to this university. Much excitement was evinced around these parts, and we need all the evincing we can get. Faculties and departments began making plans for their share of the enormous profits that would follow.

Now, I don't want to be a gloom-monger but as your campus bookseller I can tell you that, within the Canadian book trade, the popular wisdom has it that McClelland & Stewart hasn't turned a profit since Lucy Maud Montgomery was a girl. If this is true you can evince all you like and it won't make a blind bit of difference. Three-quarters of not very much is ... well, they'd be happy to do that calculation for you at the Fields Institute.

I'm not saying that M&S will never turn a profit. It can, but it needs your help. I noticed, this past September, that our faculty had ordered oodles of books for course use. The bookstore was chock-a-block with piles of textbooks, but I have to say that I didn't see a lot of M&S books. If every U of T faculty member added just one M&S title to their course lists, we could turn The Canadian Publisher into a profit centre that would benefit us all.

If every first-year psychology student had to read *The Stone Angel*, we'd all be winners. I'd recommend Stephen Leacock for MBA students and Leonard Cohen for metallurgists. Together we can make this work!

While I'm on the subject of books, it is time once



again to celebrate excellence in publishing with my annual survey of books we could scarcely live without. The honour of Book Aimed at the Narrowest Possible Market goes to the University of Nevada Press for its new tome *An Enduring Legacy: The Story of Basques in Idaho*. It's described as "lively and thorough" and I'll bet it's both.

Jack McClelland used to talk about the "koob": "book" spelled backwards, representing something that was book-like in shape and appearance but that was not really designed to be read. We are living in the golden age of the koob and this year's Koob of the Year Award goes to HarperCollins for *Eddie: My Life as a Dog*, the purported memoir of Moose, the canine actor who plays Eddie on the sitcom *Frasier*. Now, I think Eddie's just about the cutest dog on television today if you discount Peter Mansbridge, but I don't want this book. It is designed to be purchased by someone who will not read it but will give it as a gift to someone else who will also not read it. Coming to a garage sale near you soon.

My favourite overall title of the year is part of a new breed of self-help book. It began with a line of computer books pitched at self-confessed Dummies. Fine, most of us are computer dummies. Another publisher responded with a line of books aimed at Complete Idiots. I'm not sure if complete idiots are further gone than dummies; I leave that to the specialists. Both these lines have gone well beyond computer books and there are by now few subjects left untapped. Sit down while I tell you that this fall the world will welcome *The Complete Idiot's Guide to Self-Esteem*. Just think about that for a moment. If you're even slightly tempted by this book, you need it.

Nick Pashley buys, sells and reviews books for the U of T Bookstore.

LETTERS



A MATTER OF GOVERNANCE

Having been a faculty member since 1965, I have developed a deep respect for the University of Toronto and count my years of service a privilege, but that does not mean that I see us as free of serious problems. According to colleagues I met as a member of the faculty association council, there is an issue of governance. The decision three decades ago to move from the traditional bicameral form, involving a Board of Governors overseeing financial affairs and a Senate having jurisdiction over academic matters, to a unicameral Governing Council is said to have been a serious mistake. The result, it is claimed, has been a substantial weakening of faculty power involving an ineffectual Academic Board and a central administration in Simcoe Hall that is becoming increasingly arbitrary and isolated from the faculty.

The way in which Simcoe Hall settled Dr. Kin-Yip Chun's grievance is consistent with this gloomy assessment. By failing to consider the obvious implications of the campaign mounted by Dr. Chun and his supporters, it botched the settlement, alienating the physics department and sowing suspicion amongst other faculty. President Robert Birgeneau has indicated that he faces a major challenge in faculty renewal in the years ahead, but I suggest that he faces an equally serious challenge in reassuring us that renewal will not be compromised by Simcoe Hall's failure to draw upon the accumulated wisdom of the faculty in attracting the best candidates possible.

PHILIP SULLIVAN
AEROSPACE STUDIES

LETTER CENTRES ON APPEASEMENT: LUSTE

Three separate letters from colleagues — Edward Andrew, Chandler Davis and Jay Macpherson (*The Bulletin*, Oct. 16) — take issue with my earlier letter critical of the Chun settlement (Chun agreement a mistake, Sept. 25). Readers should be aware that all three are members of the University Committee in Support of Dr. Chun, although this connection was not stated.

My prior letter centres on what I perceive to be appeasement by our institution towards an individual who willfully played the "race card" and on my concern that the

settlement has implications that go beyond the borders of this particular case.

Alleged racism has been the dominant theme throughout the "Chun Case" and none of the three letters deny that. In 1993 Dr. Chun first charged the physics department with racial discrimination after he failed in four successive competitions for a tenure-stream faculty position (covering the period from 1987 to 1992). Even though the ensuing investigation in 1994 by Professor Cecil Yip found no evidence of racial discrimination, Dr. Chun then made a similar allegation to the Human Rights Commission. That charge was also ultimately rejected. Today the Chun Web site still exhibits the provocative and boldface headline: Fight Racism at U of T.

The former chair of physics, Professor Richard Azuma, has said: "There has never been in 40 years in my tenure at the University of Toronto a shred of evidence of racism among my colleagues." From personal experience Professor Azuma knows what racial discrimination is and what it is not. He chaired the third search committee and to suggest he was party to a racist hiring procedure in his department goes beyond the bounds of rationality and decency. It is an absurd charge. And the sad irony is that today the current appointment of Dr. Chun, which bypassed normal departmental hiring procedures, may in truth be the first ever appointment to our department where race, and not academic merit in an open competition, was the deciding factor.

I take it as given that all my colleagues desire a future in which our institutions and our society are just, inclusive and tolerant. What concerns me is that some of my colleagues do not see the associated need to be uncompromisingly critical of individuals who willfully play the race card and thus jeopardize that future.

On one important point I wish to correct Professor Andrew. I did not equate anyone with, let alone use the name of, Hitler in my letter of Sept. 25.

GEORGE LUSTE
PHYSICS

LETTERS DEADLINES

NOVEMBER 3 FOR NOVEMBER 13
NOVEMBER 17 FOR NOVEMBER 27
Letters may be edited for brevity or clarity. When submitting letters, please include a telephone number and, if possible, an e-mail address.

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LECTURES

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WEDNESDAY, NOVEMBER 1
Joan Simalchik, Psycho-Social Training Institute. 7-162 OISE/UT, 252 Bloor St. W. Noon to 1:30 p.m. *Adult Education, Community Development & Counselling Psychology, OISE/UT*

First Printings: Examining the Text of the First African-Canadian Poets, Playwrights and Novelists.

WEDNESDAY, NOVEMBER 1
Prof. George Elliott Clarke, English. Alumni Hall, Victoria College. 4:15 p.m. *Centre for the Book and Friends of the Victoria University Library*

Teens, Drugs and Health: New Ways to Reduce Harm.

WEDNESDAY, NOVEMBER 1
Marsha Rosenbaum, Lindesmith Centre — West, San Francisco; Ruth Cooperstock memorial lecture. Meeting Centre, Centre for Addiction & Mental Health, 33 Russell St. 6 p.m.

The Shape of the Unspoken: Subtextual Homosexuality in British Theatre, 1900-1945.

THURSDAY, NOVEMBER 2
Sky Gilbert, playwright, author and actor. 240 University College. Noon to 1:30 p.m. *Sexual Diversity Studies*

Health of Inuit People.

THURSDAY, NOVEMBER 2
Roda Gray, Inuit Tapirisat. 7-162 OISE/UT, 252 Bloor St. W. 3 p.m. *Indigenous Education Network, OISE/UT*

The American Response to the Rise of China and India.

FRIDAY, NOVEMBER 3
Robert Hathaway, Woodrow Wilson International Center for Scholars, Washington, D.C. 108N Munk Centre for International Studies, 1 Devonshire Place. 3 to 5 p.m. *Joint Centre for Asia Pacific Studies and David Chu Program in Asia Pacific Studies*

The Biodiversity Crisis in Vietnam.

SUNDAY, NOVEMBER 5
Prof. Robert Murphy, zoology. Auditorium, Medical Sciences Building. 3 p.m. *Royal Canadian Institute*

Dependency Structures, Violence, Health and the Advancement of Women.

MONDAY, NOVEMBER 6
Prof. Rose Folsom, OISE/UT; Popular Feminism series. OISE/UT, 252 Bloor St. W. 8 p.m. *Women's Studies in Education, OISE/UT*

The Uses of the Past on the Athenian Acropolis.

WEDNESDAY, NOVEMBER 8
Prof. Jeffrey Hurwit, University of Oregon; Martha Sharp Joukowsky lecture. Lecture Theatre, Royal Ontario Museum. 5:15 p.m. *Archaeological Institute of America, Toronto Society*

The King's Table: Food and Fealty in Old Babylonian Mari.

WEDNESDAY, NOVEMBER 8
Jack Sasson, Vanderbilt University; Ronald Morton Smith memorial lecture. Auditorium, Koffler Institute for

Pharmacy Management. *Canadian Society for Mesopotamian Studies*

The World of Books and the World of Slavery: An 18th-Century Jamaican Perspective.

THURSDAY, NOVEMBER 9
Prof. Philip Morgan, Johns Hopkins University; first of two Donald Creighton lectures. 1105 Sandford Fleming Building. 6:30 p.m. *History*

Rethinking American Slavery.

FRIDAY, NOVEMBER 10
Prof. Philip Morgan, Johns Hopkins University; final Donald Creighton lecture. 179 University College. 10 a.m. *History*

Culture, Citizenship and Community: A Contextual Exploration of Justice as Evenhandedness.

FRIDAY, NOVEMBER 10
Prof. Joseph Carens, political science. Room 240, 725 Spadina Ave. 2 to 4 p.m. *Ethnic, Immigration and Pluralism Studies*

Beyond Hubble: The Next Generation of Space Telescope.

SUNDAY, NOVEMBER 12
Prof. Simon Lilly, astronomy. Auditorium Medical Sciences Building. 3 p.m. *Royal Canadian Institute*

COLLOQUA

Historiography in the Time of Emperor Augustus.

MONDAY, OCTOBER 30
Prof. J.M. Alonso-Núñez, Madrid. 152 University College. 4:10 p.m. *Classics*

Do Babies Learn to See? Vision at Birth and After Blindness From Congenital Cataract.

WEDNESDAY, NOVEMBER 1
Prof. Daphne Maurer, McMaster University. 2108 Sidney Smith Hall. 4 p.m. *Psychology*

NMR Approaches to Quantum Information Processing.

THURSDAY, NOVEMBER 2
Prof. David Cory, Massachusetts Institute of Technology. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics*

The Physical Organic Chemistry of Transition Metal Carbene Complexes.

MONDAY, NOVEMBER 6
Prof. C.F. Bernasconi, University of California at Santa Cruz. LOMO portable. 3:30 p.m. *Chemistry*

Writing "The Skule Story": Thoughts on Writing the "Official History" of the Faculty of Engineering.

WEDNESDAY, NOVEMBER 8
Richard White, U of T. 323 Old Victoria College. 4 p.m. *IHPST*

The Spectroscopy of Light Subatomic Particles.

THURSDAY, NOVEMBER 9
Prof. Jim Napolitano, Rensselaer Polytechnic Institute, N.Y. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics*

The Dreyfus Affair is the Medium and Tolerance in the Message.

THURSDAY, NOVEMBER 9
Prof. Robert Logan, physics. University of Toronto Art Centre, Laidlaw Wing. University College. 6 p.m. *U of T Art Centre*

Molecular Mechanism of Proton Transport in Membrane Proteins.

FRIDAY, NOVEMBER 10

Prof. Regis Pomes, Faculty of Medicine. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*



SEMINARS

Genetic Regulation of Genome Stability in Yeast.

WEDNESDAY, NOVEMBER 1
Prof. Thomas Petes, University of North Carolina at Chapel Hill. 968 Mt. Sinai Hospital. Noon. *Samuel Lunenfeld Research Institute*

Nature's Limits on Technological Change, Social Organization and Energy Sources.

WEDNESDAY, NOVEMBER 1
Prof. Em. Jim Lemon, geography. 2093 Earth Science Centre. 4 p.m. *Environmental Studies*

Medical Use of Cannabis and Cannabinoids: Science and Politics.

WEDNESDAY, NOVEMBER 1
Prof. Harold Kalant, pharmacology. 4227 Medical Sciences Building. 4 p.m. *Pharmacology*

Impact Cratering on Earth and Other Planets.

THURSDAY, NOVEMBER 2
Prof. John Spray, University of New Brunswick. 2093 Earth Sciences Building. Noon. *Geology*

Microsatellite Mutation in Cultured Mammalian Cells: Implications for Genome Evolution and for the Development of Cancer.

THURSDAY, NOVEMBER 2
Prof. Rosann Farber, University of North Carolina at Chapel Hill. 968 Mt. Sinai Hospital. Noon. *Samuel Lunenfeld Research Institute*

Driving With the Rearview Mirror: Time, Rationality and the Limits of Social Science.

THURSDAY, NOVEMBER 2
Prof. Alexander Wendt, University of Chicago. 3050 Sidney Smith Hall. 4 to 6 p.m. *Political Science*

Using In-Vitro and In-Vivo Tools to Study the Molecular Basis Underlying Epithelial Fluid Transport in Health and Disease.

THURSDAY, NOVEMBER 2
Prof. Christine Bear, physiology. 3231 Medical Sciences Building. 4 p.m. *Physiology*

Interactions and Morphology in Proteins and Nucleotides: Atomic Force Microscopy Studies.

FRIDAY, NOVEMBER 3
Prof. Cynthia Goh, chemistry. 105 Pharmacy Building, 19 Russell St. 10 a.m. *Pharmacy*

Why the World State Is Inevitable: A Teleological Analysis.

FRIDAY, NOVEMBER 3
Prof. Alexander Wendt, University of Chicago. 208N Munk Centre for International Studies. Noon to 2 p.m. To register e-mail cis.general@utoronto.ca. *International Studies and Political Science*

Regulation of Connexin-43 Expression by Estrogen.

WEDNESDAY, NOVEMBER 8
Prof. Rudolph Werner, University of

Miami School of Medicine. 968 Mt. Sinai Hospital. Noon. *Samuel Lunenfeld Research Institute*

Genetically Modified Foods.

WEDNESDAY, NOVEMBER 8
Prof. Rick Yada, University of Guelph. 116 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

Adaptions in the Control of Breathing.

THURSDAY, NOVEMBER 9
Prof. James Duffin, anesthesia and physiology. 3231 Medical Sciences Building. 4 p.m. *Physiology*

Tracking the Organs of Antibiotic Resistance Through Protein Function and Structure.

FRIDAY, NOVEMBER 10
Prof. Gerry Wright, McMaster University. 105 Pharmacy Building, 19 Russell St. *Pharmacy*

Tangled Roots and Routes: Women Workers Along the Tomato Trail.

FRIDAY, NOVEMBER 10
Prof. Deborah Barndt, York University. 208N Munk Centre for International Studies. Noon to 2 p.m. To register e-mail cis.general@utoronto.ca. *International Studies*

Wars for the End of History? Some Thoughts on Humanitarian Military Intervention.

FRIDAY, NOVEMBER 10
Prof. Clifford Orwin, political science. 3050 Sidney Smith Hall. 2 to 4 p.m. *Political Science*



MEETINGS & CONFERENCES

Editing Robert Grosseteste.

FRIDAY, NOVEMBER 3 AND SATURDAY, NOVEMBER 4
Annual conference on editorial problems; all sessions in 179 University College.

FRIDAY, NOVEMBER 3

The Significance of Robert Grosseteste, James McEvoy, Maynooth; The Computus correctorius, Jennifer Moreton, Dublin; Robert Grosseteste's Early Cosmology, Cecilia Panti, Siena. 2 to 6 p.m.

SATURDAY, NOVEMBER 4

The Theological Writings, James Ginther, Leeds; The Chateau d'amour, Evelyn Mackie, Toronto; The Dionysian Corpus, Candice Taylor Hogan, Wheaton; Physics and Freedom, Neil Lewis, Georgetown. 10 a.m. to 5 p.m. Registration fee: \$60, students (with lunch) \$40, \$20 (without lunch). Information: 978-1610, goering@chass.utoronto.ca; registration at the door.

The Bold Fenian Men — and Women:

SATURDAY, NOVEMBER 4
Annual Celtic studies conference. Acallamh na Senorach, Ann Dooley, U of T; Youth and Aging in Fenian Lore, Mairin Ni Dhonnchadha, University College Galway; Fenian Modernism: On Hugh MacDiarmid's *Lament for the Great Music*, Patrick Crotty, St. Patrick's College, Dublin; Fenian Mythology: Constructing the Image of the Manchester Martyrs, Gary Owens, University of Western Ontario; Neither

"Silly Venture" nor "Shabby Doings": The Fenian Incursions Into Canada (1866-1871). 400 Alumni Hall, St. Michael's College, 121 St. Joseph St. 9:30 a.m. Registration fee: \$30, free to students. Information: 926-7145.

University Affairs Board.

TUESDAY, NOVEMBER 7
Council Chamber, Simcoe Hall. 5 p.m.



MUSIC

FACULTY OF MUSIC EDWARD JOHNSON BUILDING

Year of the Piano Celebration Series.

TUESDAY, OCTOBER 31
William Aide, piano. Walter Hall. 8 p.m. Tickets \$20, students and seniors \$10.

THURSDAY, NOVEMBER 9

Jim McNeely, piano, with Don Thompson, bass. Walter Hall. 8 p.m. Tickets \$20, students and seniors \$10.

Small Jazz Ensembles.

WEDNESDAY, NOVEMBER 1 AND TUESDAY, NOVEMBER 7
Favourite standards and student arrangements and compositions. Walter Hall. 8 p.m.

Opera Series.

THURSDAY TO SUNDAY, NOVEMBER 2 TO NOVEMBER 5
World premiere of Gary Kulesha's *The Last Duel*, Raffi Armenian, conductor; Michael Patrick Albano, librettist and director. MacMillan Theatre. Thursday to Saturday 8 p.m., Sunday 2:30 p.m. Tickets \$25, students and seniors \$15.

Jazz Orchestras.

WEDNESDAY, NOVEMBER 8
Jim McNeely with the 10 O'clock and 11 O'clock orchestras. Walter Hall. 8:30 p.m. \$12, students and seniors \$6.

Thursday Noon Series.

THURSDAY, NOVEMBER 9
Music and Poetry. Leslie Bradley, soprano; John Hawkins, piano and conductor; instrumental ensemble; Prof. Christopher Barnes, Slavic languages and literatures, commentator. Walter Hall. 12:10 p.m.

Faculty Artist Series.

FRIDAY, NOVEMBER 10
Mike Murley, David Braid and Steve Wallace Trio; jazz artists. Walter Hall. 8 p.m. Tickets \$20, students and seniors \$10.

University of Toronto Symphony Orchestra and Choirs.

SATURDAY, NOVEMBER 11
Doreen Rao, conductor. MacMillan Theatre. 8 p.m. \$12, students and seniors \$6.

UNIVERSITY OF TORONTO AT SCARBOROUGH Toronto Tabla Ensemble.

THURSDAY, NOVEMBER 9
Music of All Latitudes: Part I. The Meeting Place. 7:30 p.m.

PLAYS & READINGS

Love's Fire.

WEDNESDAY TO SATURDAY, NOVEMBER 1 TO NOVEMBER 4
By Erick Bogosian, William Finn, John Guare, Tony Kushner, Marsha Norman, Ntozake Shange and Wendy Wasserstein; directed by Dennis Hayes.

EVENTS

Theatre Erindale production. Erindale Studio Theatre, U of T at Mississauga. Performances at 7:30 p.m., Wednesday and Thursday; Friday and Saturday 8 p.m.; Saturday matinee 2 p.m. Tickets \$10, students and seniors \$7, Wednesday and Thursday; Friday and Saturday \$12, students and seniors \$8; Saturday matinee \$10, students and seniors \$7. Box office: (905) 569-4369.

A Man for All Seasons.

THURSDAY TO SATURDAY,

NOVEMBER 2 TO NOVEMBER 4

A Robert Bolt play; directed by M.K. Piattowski. A University of Toronto Stage Company production, in association with Hart House Drama Society and Hart House Theatre. Hart House Theatre. Performances at 8 p.m. Tickets \$10, students and seniors \$8. Box office: 978-8668.

U of T Bookstore Series.

MONDAY, NOVEMBER 6

Thomas Homer-Dixon discusses *The Ingenuity Gap*. George Ignatieff Theatre, 15 Devonshire Place. 7:30 p.m.

THURSDAY, NOVEMBER 9

Stevie Cameron and Harvey Cashore discuss their exposé *The Last Amigo*. Auditorium, Medical Sciences Building. 7:30 p.m.

Literary Reading.

THURSDAY, NOVEMBER 9

D'Janet Sears playwright, actor and director. Leigha Lee Browne Theatre, U of T at Scarborough. Noon. Information: 287-7007.

Laidlaw Library Reading Series.

MONDAY, NOVEMBER 13

Prof. David Novak presents his latest book *Christianity in Jewish Terms*. 240 University College. 4 to 6 p.m.



EXHIBITIONS

NEWMAN CENTRE

Alexander Kastulin and

Vladimir Prokhov.

TO NOVEMBER 4

Ceramic works, wall pieces and sculpture. Ground floor.

Spirit Moving Through.

NOVEMBER 4 TO DECEMBER 1

Ruth Hayes, watercolours. Ground floor. Hours: Monday to Friday, 9 a.m. to 5 p.m.

JUSTINA M. BARNICKE

GALLERY

HART HOUSE

Cuban Photographers

Exhibition.

TO NOVEMBER 9

Eighty-eight black-and-white images by seven contemporary Cuban photographers; in co-operation with Fototeca de Cuba, Havana. Both galleries. Gallery hours: Monday to Friday, 11 a.m. to 7 p.m.; Saturday and Sunday, 1 to 4 p.m.

UNIVERSITY OF TORONTO

ART CENTRE

TO DECEMBER 9

Dreyfus and Zola: A Moment in the Conscience of the World.

This exhibition examines the anti-Semitism that fuelled the Dreyfus Affair; the letters, books, photographs, broadsides, newspapers, posters and periodicals belong to the Beitler Family Foundation.

Man Ray in Paris, 1922:

Les champs délicieux.

Accompanying the portfolio of 12 photographs is correspondence between Man Ray and his American Patron, Ferdinand Howald documenting the "invention" of the Rayograph. Gallery hours: Tuesday to Friday, noon to 6 p.m.; Saturday, noon to 4 p.m.

THOMAS FISHER RARE

BOOK LIBRARY

The Culture of the Book in the

Scottish Enlightenment.

TO DECEMBER 22

In addition to printed works the exhibition also includes prints by Hogarth, glass enamel portraits by James Tassie and a replica of the Portland Vase. Hours: Monday to Friday, 9 a.m. to 5 p.m.



MISCELLANY

Fall Record & Book Sale.

WEDNESDAY, NOVEMBER 1

Thousands of recordings, book and music scores. Lobby, Edward Johnson Building. 11 a.m. to 5 p.m. Presale (recordings only), Monday, Oct. 30, E016 Faculty of Music Library. 4:30 to 7 p.m. (admission \$5). Information: 978-3734.

"Anima Christi":

The Soul of Jesuit Music.

WEDNESDAY, NOVEMBER 1

An evening of music and poetry written by Jesuits and their collaborators. Elliott MacGuigan Hall, Regis College, 67 St. Nicolas St. 7:30 p.m. Regis College

Reflections on an Ethical Society.

SATURDAY, NOVEMBER 4

Featuring Adams, Buckman, Kay, Kingwell, MacIntyre and Somerville; Moderators Avril Benoit and Mary Lou Finlay, CBC Radio. Presented by Penguin Books Canada and Canadian studies, U of T. Convocation Hall. 9:30 a.m. to 5:30 p.m. Tickets \$20, students and seniors \$10. Tickets: 978-7993; information: 978-7989. University College, U of T Bookstore, The Globe & Mail, This Morning and Friesen

A Guide to Pending Changes in Legislation Affecting Financial Planning for Same-Sex Partnerships.

TUESDAY, NOVEMBER 7

For information or to register call 978-0951 or e-mail family.care@utoronto.ca. 7 to 10 p.m. Family Care Office

Juggling It All: Balancing Work Study and Home.

WEDNESDAY, NOVEMBER 8

A practical workshop to learn new strategies for stretching the hours in your day and gaining some time for yourself. Noon to 2 p.m. To register call 978-0951 or e-mail family.care@utoronto.ca. Family Care Office

Small Artworks: Exhibition and Sale by Canadian Artists.

WEDNESDAY, NOVEMBER 8 TO

SUNDAY, NOVEMBER 12

Paintings and sculptures on a small scale by Canadian artists; proceeds to the conservation of the Trinity College art collection. Wednesday, meet the artists, silent auction; admission \$10 (opening night only), 6 to 9 p.m.; Thursday, 10 a.m. to 7 p.m.; Friday and Saturday, 10 a.m. to 5 p.m.; Sunday 11 a.m. to 4 p.m. Second floor, Seeley Hall, Trinity College. Information: 978-2651.

Birthing Alternatives:

The Role of the Midwife.

THURSDAY, NOVEMBER 9

Panel presents the views of a midwife, an educator and a user around the role midwives can play in pre-natal and postpartum care. Noon to 1:30 p.m. To register call 978-0951 or e-mail family.care@utoronto.ca. Family Care Office

Act of Remembrance.

FRIDAY, NOVEMBER 10

Carillon, piper, Hart House Chorus, Last Post and Reveille. Soldiers' Tower. 10 a.m.

Working With Your Child's School.

TUESDAY, NOVEMBER 14

Panel will focus on strategies for home/school communication to ensure your child gets the most out of the education system. Noon. To register call 978-0951 or e-mail family.care@utoronto.ca. Family Care Office



DEADLINES

Please note that information for Events listings must be received in writing at The Bulletin offices, 21 King's College Circle, by the following times:

Issue of November 13, for events taking place Nov. 13 to 27: MONDAY, OCTOBER 30. For information regarding the Events section call Ailsa Ferguson, 978-6981.

UNIVERSITY ~ OF ~ TORONTO

THE BULLETIN

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COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees.

The deadline for submissions is Monday, two weeks prior to publication.

SEARCH

DEAN, FACULTY OF DENTISTRY

In accordance with Section 62 of the

Perron Rules, President Robert

Birgeneau has appointed a committee

to recommend the appoint of a dean

of the Faculty of Dentistry effective

July 1. Professor Barry Sessle will

complete his second term as dean of

the faculty June 30. Members are:

Provost Adel Sedra (chair); Professors

Grace Bradley, Omar El-Mowafy,

Paul Santerre and George Zarb, Faculty of Dentistry; Michael Marrus, dean, School of Graduate Studies; Dorothy Pringle, Faculty of Nursing; and Catharine Whiteside, associate dean (inter-faculty and graduate affairs), Faculty of Medicine; Dr. Robert Bennett, alumni member, Governing Council; Dr. Tom Closson, president and chief executive officer, University Health Network; Dr. Irwin Fefergrad, registrar, Royal College of Dental Surgeons of Ontario; Dr. Peter

Fritz, graduate student, Faculty of Dentistry; Alison Mahoney, coordinator (human resources), Faculty of Dentistry; and Neeraj Pershad, undergraduate student, Faculty of Dentistry.

The committee would welcome nominations and comments from interested persons. These should be sent to Carol Robb, assistant vice-provost (health science), by Nov. 6; phone, 978-6662; fax, 971-1380; e-mail, carol.robb@utoronto.ca.

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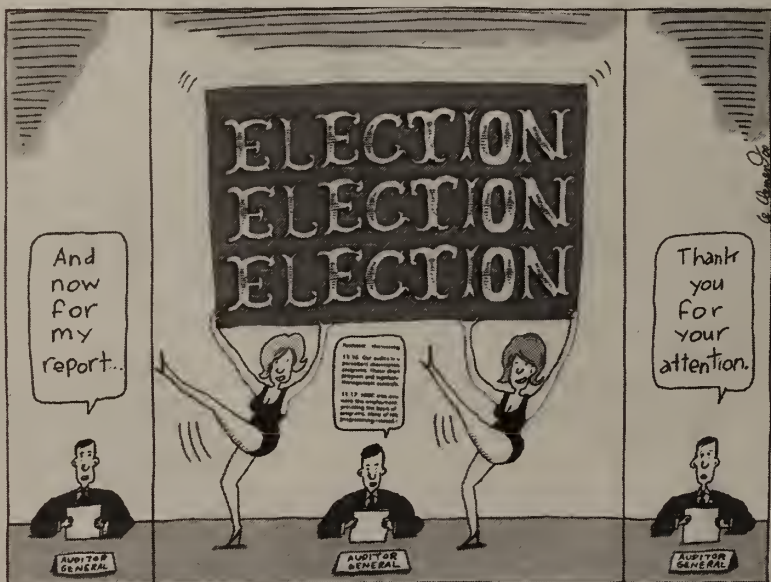
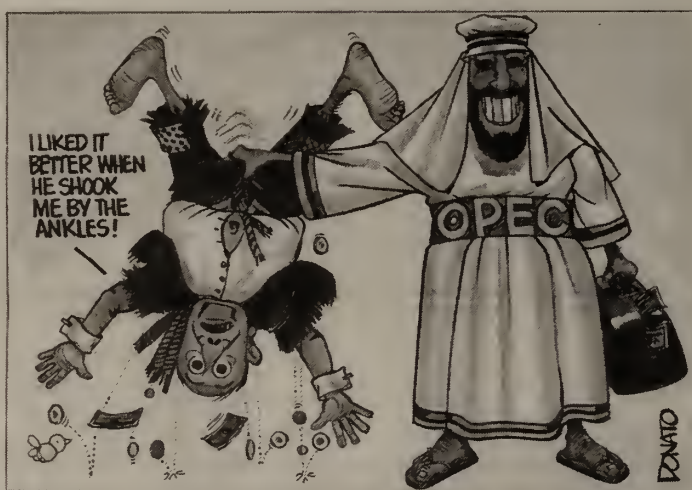
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COMIC RELIEF

Political cartoonists capture life's absurdities, cut to the heart of issues

By JUDY NOORDERMEER



The Death of Socrates

PICTURE, THEY SAY, IS WORTH A THOUSAND WORDS. With the races for prime minister, Toronto city council and the U.S. presidency in full swing this autumn, the voting public on both sides of the border is bombarded with rhetoric. But few media can cut to the heart of the issues faster than political cartoonists — the graphic storytellers with a bite.

On the eve of these elections, Woodsworth College is bringing together political cartoonists from four Toronto-based daily newspapers to talk about the challenges and delights of their unique profession. Entitled Wit & Wisdom, the public forum will feature Gary Clement of the *National Post*, Patrick Corrigan of

The Toronto Star, Andy Donato of *The Toronto Sun* and Brian Gable of *The Globe and Mail*, some of whose trademark work is reproduced here.

University Professor Janice Gross Stein, director of the Munk Centre for International Studies, will moderate the discussion. She says cartoonists do more than mock governments: "By pointing to the absurdities of politics, political cartoonists give us a deeper understanding of the fundamental challenges that face our political leaders."

The event, part of Woodsworth College's annual fall lecture series, takes place tonight, Monday, Oct. 30 at 7 p.m. in the auditorium of the Ontario Institute for Studies in Education of the University of Toronto, 252 Bloor St. W.